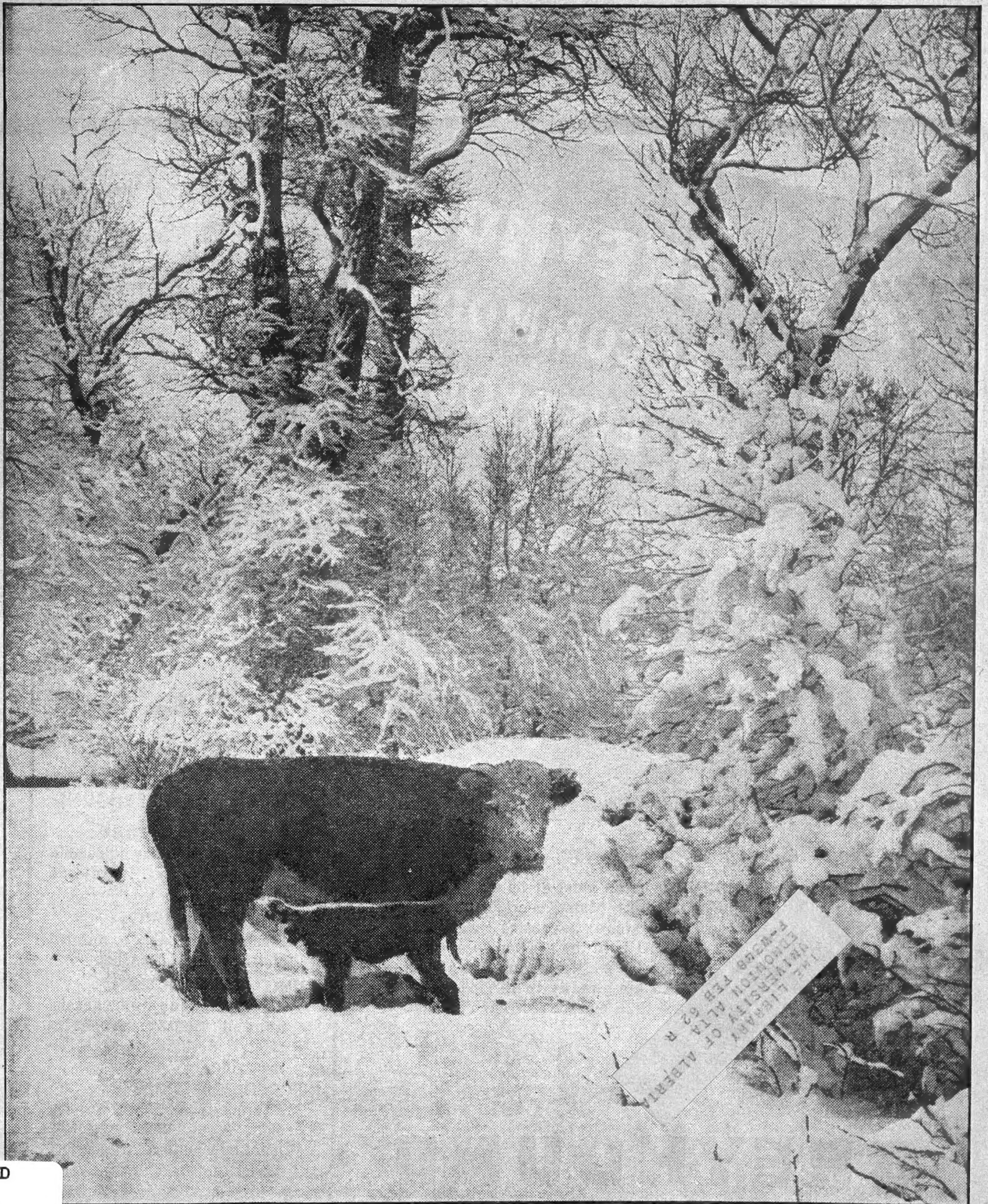


FEB. 12 '47

Farm and Ranch Review

VOLUME XLIII
NUMBER 2

CALGARY, ALBERTA
FEBRUARY, 1947



An Early Arrival

BARD
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no.2
1947

Federation Wants U.S. Beef Market Opened

THE Canadian Federation of Agriculture, meeting in convention at Winnipeg the end of January, urged the federal government "to immediately divert a certain volume of beef cattle to the United States and to seek a trade agreement with that country at least as advantageous as that in effect before the war."

Plans to increase the domestic consumption of beef after the expiration of the British contract in 1948 should be extended to include all kinds of meat, the convention agreed. Fixing of prices for livestock and livestock products at figures bearing a proper relationship to the cost of production

was preferred to the payment of bonuses to eastern or western producers. Higher prices for oats and barley, higher premiums for malting barley, and a \$5 per acre bonus for barley, were advocated.

H. H. Hannam of Ottawa, in his presidential address, said that farmers should not strike unless all normal consultative methods failed. Taking issue with the Alberta Farmers' Union contention that co-operatives should be excluded from farm organizations Mr. Hannam said that co-operators were "the ones who have gone farther than merely membership in an organization."

War Declared on Coyotes

THE Alberta government will hire special coyote hunters, permit widespread snaring of coyotes, and make special coyote-killing machines available to farmers and sheep ranchers. This was announced in January as public alarm grew at the inroads of the animals on sheep herds in the province. The hunters employed by the government will be paid a minimum wage and will be allowed to pocket the income from sale of pelts.

The killing machine to be used consists of a mechanism placed so that the top is flush with the ground. This top part is wrapped with some kind of bait which is scented to attract the animals. When the coyote bites the bait, a discharge of sodium cyanide into his mouth brings quick death.



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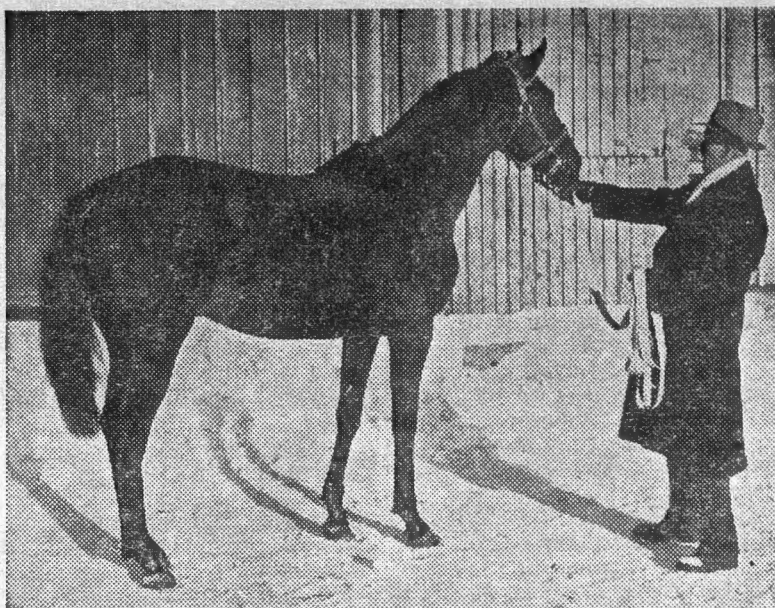
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PROMISING YOUNG THOROUGHBRED SIRE

Warrenpoint, three-year-old Thoroughbred stallion brought to Alberta out of a shipment of six recently obtained in England by the Dominion government. This promising young stallion will stand at the Dominion Experimental Station, Lacombe. His sire is Hastings by Blenheim and his dam is Jerpoint by Trimdom; second dam Queen of the Nore by Tetratema, by Tetrarch; third dam Queen's Double by Bachelor's Double.

Sees Good Returns In Hog Production

WHEN the price increases in the new British bacon contract come into full effect next September, the returns for hogs over cost of production probably will be the highest they have been since a short period of 1926. This view was expressed by Dr. R. D. Sinclair, dean of agriculture at the University of Alberta, in addressing the farm short course at Calgary in January. He urged Canadian farmers to boost their production of swine immediately, in order to strengthen this country's position in the British market. Alberta is particularly well adapted to swine production, he pointed out.

Dr. Sinclair said that over the past 29 years, barley fed to hogs had returned an average of 81 cents a bushel, after allowing for depreciation, interest, buildings, breeding stock, equipment, and a reasonable return for labor. Barley marketed at elevators during the same period had returned only 52 cents a bushel.

In a 25-year period, No. 1 feed barley marketed through finished cattle brought an average of 76 cents a bushel compared with 45 cents at elevators. These figures indicated that swine and cattle feeding had been

profitable for persons who stayed in the business regularly.

Livestock were an important factor in stabilizing agriculture, Dr. Sinclair pointed out. While he warned that production costs must be kept as low as possible, and quality as high as possible, in order to compete on the world market, he at the same time expressed confidence in the future of the livestock industry.

In an interview at Edmonton about the same time, J. G. Taggart, chairman of the federal Agricultural Prices Support Board, said that the decline in Canadian hog marketings apparently had been checked. Minimum objective of 265 million pounds of bacon for Britain probably would be reached this year, Mr. Taggart said, adding that the increased British contract prices probably had been a major factor in the upturn.

Agreement Nearer on Share Of Outlay for Irrigation

CONFERENCES held in January between Rt. Hon. J. G. Gardiner, federal agriculture minister, and Premier E. C. Manning of Alberta, brought hope for early Dominion-Provincial agreement on sharing the costs of irrigation development. "I am quite satisfied we will be able to reach satisfactory agreement," said Mr. Manning, following the conference, and he added that negotiations for a definite agreement would continue.

In Regina, during his Western tour, Mr. Gardiner said the federal government was committed to spend \$110 million on irrigation projects in West-

ern Canada. Each of the six or seven large projects within the general irrigation plan would be considered on its own merits, he declared.

LIVENS UP THE BULLS

SETTLES SHY BREEDERS



Kershaw's Stock Farms, Muskogee, have used a number of gallons of Rex Wheat Germ Oil on their Champion-Herd Aberdeen Angus Cattle. L. R. Kershaw, owner, writes:

"We have particularly noted that Rex Oil livens up and helps all the bulls given the oil. We have used Rex on shy and non-breeders with good results."

Rex Oil contains biochemical factors not found in other wheat germ oils. Rex Oil prevents and corrects many non-organic breeding disorders. If you feed dealer or druggist does not have Rex Oil, order direct. Prices—4 oz. \$1.25; 20 oz. only \$5.00.

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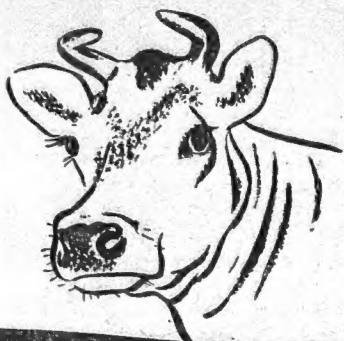
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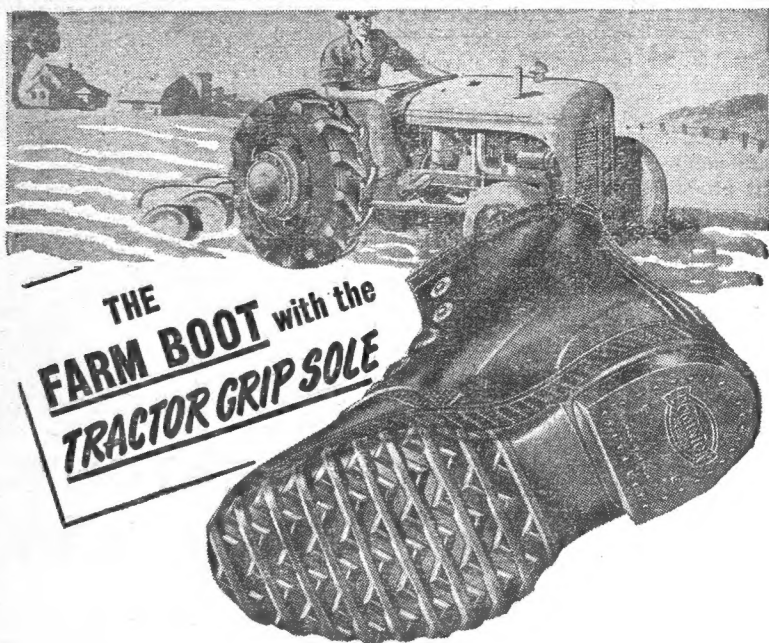
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Conference to Talk World Wheat Plans

THE International Wheat Council has called a conference, beginning March 6 in London, to formulate plans for dividing the world market and stabilizing wheat prices and supplies.

Agriculture and government leaders warmly welcomed the announcement. "The farmers look forward to international wheat agreements and will widely approve the announcement," said H. H. Hannam of Ottawa, president of the Canadian Federation of Agriculture.

In a report issued in January, the International Wheat Council recommended that wheat and other commodity agreements provide for special famine stockpiles and other reserves. Buying for and selling from these reserves would be conducted in such a way as to stabilize prices at levels reasonable to both consumers and producers.

Federal Trade Minister J. A. MacKinnon said that Canada probably would send a three-man delegation, including Dr. C. H. Wilson, head of the wheat and grain division of the Department of Trade and Commerce, and a representative of the Canadian Wheat Board.



RE-ELECTED U.F.A. HEAD

George E. Church of Balzac, returned to office for his third term as president of the United Farmers of Alberta at their 1947 annual convention in Calgary.

Start Warble Fly Treatments Early

At this time farmers and stockmen should be on the lookout for swellings on the backs of their cattle, indicating the presence of warble fly grubs under the hide, and preparations should be made to commence treatments.

Losses running into millions of dollars annually are caused by the warble fly, through loss of weight, lower milk production, loss of meat in trimming, and in damaged hides. The best and easiest point of attack on the warble fly menace is to destroy the grubs before they force their way out of the hides and become another generation of adult flies.

Treatment is quite inexpensive and

consists of applying a wash to the swellings as soon as the first punctures appear in them, usually in January or early February. Chipman Warble Powder, containing rotenone (derris root) and other special ingredients, has been found most effective, dissolved in water according to directions. As further swellings may continue to appear until spring, it is advisable to apply the solution several times, at intervals of three or four weeks, the cost of four applications being only a few cents per animal.

Hog Prices Move Higher

THE meat board's increase of \$2 per cwt. in the price of export bacon on January 13 — and the prices board's authorization of correspondingly higher retail prices for pork sold within Canada — resulted in advanced bids for hogs at the stockyards. At the end of the month, the Calgary market was up about \$1.35 per cwt. for Grade A animals, dressed weight, and \$1.15 for sows, live weight.

The increase in export price was half of the \$4 advance in the British bacon contract price which, as announced in December, was to come into effect by September 1.

Hugh W. Allen, Edmonton, president of the Alberta Livestock Co-operative, had declared earlier that hog producers approved and appre-

ciated the federal government's action in increasing hog prices. He asked at that time, however, that the entire \$4 increase be made effective immediately, instead of waiting until September 1. He attacked the price differential between Eastern Canadian and Western Canadian markets, claiming that it was discrimination against Western hog producers.

420,000,000 Bushel Wheat Crop

CANADA'S 1946 wheat crop was placed at 420,700,000 bushels in the third estimate, issued by the bureau of statistics on January 22. This was slightly higher than the second estimate, issued in November, and some 20 million bushels lower than the September estimate. Oats production for all of Canada was estimated at 400 million bushels, barley at 159,900,000, rye 7,400,000 and flaxseed 7,500,000.



PICKING THE WINNERS

Judges here are facing the task of selecting the best of the many samples entered by Alberta farmers in the National Barley Contest. Shown, left to right, are A. M. Wilson, Edmonton, Alberta Field Crops Commissioner; Prof. A. G. McCalla, head of Plant Science Division, University of Alberta; F. S. Ludlam, Winnipeg, Chief Inspector, Board of Grain Commissioners; J. E. Blakeman, Winnipeg, District Inspector of Dominion Department of Agriculture Plant Products Division; A. T. Elders, Canada Malting Co., Winnipeg. Missing from the panel is D. S. Kaufman, Dominion Malting Co. In front of judges is Prof. T. Harrison, Chairman of the National Barley Contest Committee.

Barley Contest Prizewinners Announced

Alberta Winners

REGION ONE—Ted Casavant, Legal; Louis St. Arnaud, Vimy; H. J. Veenendaal, Fort Saskatchewan; Paul E. Lavoie, Pickardville; Nick Symyrozum, Colinton; Vital Lachance, Vimy; E. S. Parson, Boyle; Minns



GEORGE W. JOHNSON

Bros., Athabasca; Thomas McKirdy, Morinville; Joseph Krauskopf, Morinville.

REGION TWO—Only five prizes awarded — Joe Mulak, Waskatenau; Peter Melynk, Warspite; Joe Bielsch, Warspite; E. A. Bullis, Elk Point; Elmer F. Carefoot, Waskatenau.

REGION THREE—Edward Krause, Wetaskiwin; Bruce Cropley, Genesee; Henry Hodgins, R.R. 4, Edmonton; Theo Schubert, Huggett; Adrian de Roon, New Norway; John P. Ingram, Bentley; Bernard McDonald, Genesee; Reinold Maser, Leduc; Carl Johnson, Calmar; Karol Ilnicki, Camrose.

REGION FOUR—George W. Johnson, Red Deer; Ray Niemela, Benalto; John George Hambling, Midnapore; Robt. T. Culling, Dog Pound; Neil M. Manuel, Innisfail; Andrew Giffen, Okotoks; Jack Domoney, Red Deer; Wesley Houchin, Bowden; Walter O. Johnson, Eckville; William Aldred, Crossfield.

ALBERTA'S best sample of malting barley in 1946 was grown on the farm of George W. Johnson, Red Deer, and the best Saskatchewan sample was produced by J. A. Wylie of Norquay. Each of these champion growers has been awarded first prize of \$400 in the \$25,000 National Barley Contest sponsored by the brewing and malting industries of Canada, and each won an additional \$160 as a regional first prize.

Manitoba winners will be announced during the Brandon Winter Fair, the week of March 31, and at that time awards will be made in the interprovincial contest which carries four cash prizes of \$1,000, \$500, \$300 and \$200. Winners in this contest will be named from among the four top-ranking entries from each of the three provinces.

The contest was launched nearly a year ago by the brewing and malting industries with the fourfold aim of encouraging barley production, improving the quality of commercial barley, replacing inferior and mixed varieties with pure varieties of improved type and stimulating interest in the production of an adequate supply of pure seed.

The National Barley Contest Committee, headed by Prof. T. J. Harrison, for the purposes of the contest divided each province into four regions, for each of which ten prizes were awarded, starting with \$160 for first and graduated down to \$40 for tenth place. Prizes were presented to the Saskatchewan winners at a banquet in Saskatoon during University Farm Week and to Alberta winners at a similar function during the Provincial Seed Fair in Calgary.

The 35 Alberta farmers who placed in the awards took \$3,385 of the prize money allotted to the western division of the contest and 31 Saskatchewan farmers placed for \$3,845. On the basis of 12,000,000 bushels used for malting purposes in Canada, the 1946 contest assured one-sixth of re-

Saskatchewan Winners

REGION ONE — Henry Bauche, Antler; H. A. Miller, Wolseley; Ivan T. Switzer, Grenfell, Maurice Langlais, Sintaluta; Harold Clark, Carlyle; Earl O. Lyle, Wolseley; Morson Bros., Longbank; J. N. Lerat, Broadview; Andrew B. Arthur, Rocanville; C. Meunier, Storthoaks.

REGION TWO — J. A. Wylie, Norquay; Clifford S. Erratt, Saltcoats; Mike Vogel, Pelly; Neal Bros. (T. J. Neal), Saltcoats; J. E. McCredie, Rokeby; Metro W. Chabun, Canora; J. A. Challoner, Norquay; Wallace Hewson, Invermay; Jack Fedorchuk, Hyas; Clifford Bork, Hyas.

REGION THREE — Richard Platte, Nipawin; Earl Hunt, Runciman; Jean Riou, Arborfield; Edwin Udahl, Aylsham; K. D. Purdy, Tisdale; J. D. MacFarlane, Alysham; George Mirka, Smeaton; Edward Eberle, Nipawin; Cecil Ubdegrove, Arborfield; George White, Nipawin.

REGION FOUR — Only one entry, from Fred Hehn of Markinch, who was awarded \$160.

quirements, apart from the production of other farmers who did not enter, and a distinct improvement was noted in the quality of commercial barley.

In addition to his cash prize, each of the winning contestants received an award of ten bushels of Montcalm barley to be used as seed, and Prof. Harrison announced that the contest, so successful in 1946, would be carried on in future years.

The panel of six judges made its awards after examination of the samples in inspection rooms of the Board of Grain Commissioners at Winnipeg.

COSGRAVE TO DIRECT STAMPEDE ARENA

Dick Cosgrave, well-known farmer of the Rosebud district and for many years a successful contestant in the chuckwagon races at the Calgary Stampede, has been appointed arena director for the Stampede events, succeeding J. M. Dillon who has retired from this position. Mr. Dillon was recently named Canadian director of the Rodeo Association of America.

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GLENAFTON Killarney, the eight-months-old Holstein bull calf, that sold for the Canadian record price of \$40,000 last fall, died early in January on the farm of his breeder, J. J. E. McCague, Alliston, Ontario, before being transferred to the purchasers, the Artificial Breeding Unit

BREEDERS LOSE GOOD CALF; McCAGUE LOSES RECORD \$40,000

of Waterloo County.

"Killarney" was not well at the time of the sale in November, but had since recovered and was in perfect health prior to a routine inoculation at the time of the sale, guaranteed

of Mr. McCague's Glenafton herd.

However, he reacted violently to the inoculation and was lost. The loss will be borne by Mr. McCague, who, at the time of the sale, guaranteed

him for a full year and who had agreed to keep the bull until he was a year old.

The \$40,000 price paid for him was the highest ever received at a livestock auction in Canada and was the highest on the continent since 1920 for a dairy animal.

Quiz... FOR CANADIANS



Every Canadian today is asking himself this question:
"How much more will it cost me to live tomorrow?"

The answer depends on us... Living costs should not increase...

IF—we all keep on resisting the temptation to try to get more than our fair share of available goods.

IF—we continue to restrict our purchases to what we really need.

IF—we keep on producing as much as we can at as low a price as we can.

IF—we continue to support to the full our Government's wise measures of control.

IF—we continue to walk the middle road, the road of moderation in all things—in our thinking, in our actions and in our pleasures.

IF—as The House of Seagram has always suggested, we continue to think of tomorrow and practice moderation today!



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NOTHING that is manufactured or sold is worth more than the public is prepared to pay for it, and the primary law of supply and demand is based on this age-old fact. In the light of this balance of values, what have the next few years in store for the farmers of Canada?

Venturing a prophecy, the broad outlook, I believe, presents little cause for apprehension. True, there will always be the unpredictable factor of weather and its all-important effect on production, but so far as markets and prices are concerned the picture ahead is one of comparative security. The commitments which Canada has made to the United Kingdom ensure profitable returns for all the beef and bacon, eggs and dairy products that we can ship. For these, and many other foodstuffs, an almost unlimited demand exists and will continue. What about the supply?

Whatever may be said for the future wheat marketing outlook—and many men who know their grain trade feel that this is not too rosy after 1947 — the stockman and mixed farmer now find themselves in a strong trading position; hungry peoples overseas will take all that they can supply. Recently advanced bacon prices indicate the strength of the demand for this product, and present contracts for several other commodities will almost certainly be extended beyond 1948.

One notable advantage of the British beef agreement is that it calls for delivery of a huge quantity of lower grades of meat at very satisfactory prices. This will have two important results: by draining off inferior animals it will raise the average standard of Canadian herds, and it will leave correspondingly more red and blue brand beef for the domestic market.

Encouraging also is the assurance from Ottawa that the market for Canadian beef cattle in the United States is available whenever authorities decide to take advantage of it. This is guaranteed by agreement between the two governments and there is a good prospect of even better tariff concessions when shipments are resumed to Chicago and St. Paul, natural outlets for much western beef when the terms of the British contract have been fulfilled or when competition from other producing countries weakens the overseas market.

Britain's present needs afford Canada a first-class opportunity to place her agriculture on a sounder, better-balanced

footing, a position essential in view of the threat of another wheat surplus problem within the next few years. This should spur progress in diversification and good farming practices. Year in and year out, the sections of the West which have best survived the vagaries of climate and markets have been those whose risk has been spread over the returns from mixed farming. The present "hard winter" over much of the range country has stressed the need of feed reserves for the stockman, and soil moisture conditions promise well for fodder crop growth in 1947.

Every possible effort this year is being directed to increasing the production of livestock products and the feed crops that make them possible. The FARM AND RANCH REVIEW believes that wherever a farmer can shape his program to this end he should do so. The markets are there. Let's take advantage of them.

★ ★

THE current removal of price controls on many commodities is a logical move on the part of the government to get business in general back to a normal operating basis, and the sooner this can be achieved the better it will be for everybody. The need for widespread controls during the war was never seriously disputed for the simple and obvious reason that shortages of many goods and services completely upset accepted values and uncontrolled prices would have placed an intolerable burden on consumers.

The danger of inflation is not yet past and complete decontrol must be brought about gradually as more and more goods return to normal supply. The government clearly has recognized this and the last goods to be freed of price control will be essential items of food and clothing, the necessities of existence for every family. Luxury goods, many of which were freed of price control early, soon find their own price levels; buyers attend to that, since a buyers' strike can be a very effective brake on inflated prices of goods which customers can get along without.

Canada's record in the price control field has been considerably better than that of the United States. Ceilings were imposed much earlier, black marketing was curbed to a greater extent and now controls are being lifted more gradually, permitting business to return to normal free trading with a comparatively small degree of inflation.

★ ★

IN its formulation of an immigration policy, a step which cannot much longer be delayed, Ottawa should not overlook the possibility of encouraging a much greater movement of farm families from the United States to the prairie

provinces. Development of the West owes a great deal to the flood of farmers who left their former homes south of the line to settle on the Canadian prairies in the decade following 1903. Most of them brought sufficient funds to make a sound start in their adopted country; they were accustomed to comparable conditions and they displayed the initiative and industry so essential to success in the pioneer life they encountered.

There is still a vast amount of land to be settled and improved in the western provinces before the non-profitable marginal belt has been reached, land available at much lower prices than those prevailing in the Corn Belt states where values have skyrocketed during the war years. Ottawa reports that in 1946 more than 100 farm settlers per month came north to establish new homes and that the movement apparently is on the increase. Included among the northward migrants who are confident that they can make a better living in Canada are quite a number of farmers from inter-mountain irrigation areas with an eye to Southern Alberta's future in this type of farming.

In many quarters the emphasis is placed today on the prospect of a large immigration from overseas. There is undoubtedly a place in the Canadian economy for many newcomers from the British Isles and the countries of Western Europe, but for large numbers of these the place will be in industry rather than in agriculture and the contribution which experienced American farm settlers can make must not be overlooked. For many years the Canadian government maintained an active and extensive immigration service throughout the central and western states, resulting in a tremendously important movement to prairie lands. This activity could now be revived with great benefit to the agricultural and general development of the West.

★ ★

A JUNIOR club member who returned from the national boys' and girls' club contests at Toronto said to his coach, "Well, we didn't win, but I hope I shall have an opportunity to help a team win next year." That is what the club spirit means — gaining knowledge and passing it on. Club membership and activity involve much more than fitting and showing a calf or picking a sample of grain. The 38,000 farm young people in Canada who took part in club contests last year learned by doing. They learned in stiff competition the value of the hard work, skill and technique which make prizewinners, but more important, they learned how to win manfully and to lose gracefully.

Co-operation in small groups rounds off the rough edges of individualism and teaches the good sportsmanship which is so essential on many occasions in later life.

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83 Union Building, Calgary

Gardiner Predicts Good Returns for Livestock Sales

"FARMERS can restore their net and gross incomes to the high level of 1945 by increasing the production of livestock. For the next two or three years they can surely pass any levels reached in 1945 because the prices are sealed at a much higher level. Beyond that there is bound to be a more assured market for an increased production of these products than an increased production of wheat," Rt. Hon. J. G. Gardiner, Dominion Minister of Agriculture, told the U.F.A. convention at Calgary on January 14.

"The agreements with Britain assure the sale of a reasonable quantity of wheat and all that should be produced if we are anxious to obtain our reasonable proportion of the national income.

"We have been able to negotiate that contract with Britain not because she does not believe she will be able to buy wheat cheaper during 1948 and 1949, but because she is anxious to co-ordinate her own stabilization policy to assure production of food in Britain with ours to assure production at reasonable returns in Canada of food for consumption in Britain. No country in the world is prepared to predict what the price position will be in relation to wheat beyond 1947. Most of them maintain the price will drop in 1948 if not before.

"Some very remarkable things have happened in hogs. The average yearly marketings from 1935 to 1939 was 3,500,000; and from 1943 to 1945, 7,290,000. We dropped back to 5,800,000 in 1945 and to 4,350,000 in 1946. We would like you to return to a delivery of 5,800,000 in 1948 and remain at that or a higher level of production.

"Britain is offering to pay about \$5 a head more per hog from September 1 on, and until the end of 1948, and to negotiate an agreement for 1949 in January of 1948. If we are to get back to our 1945 level you in Alberta will be required to market 1,900,000 in 1948 in place of the 1,200,000 you delivered in 1946.

Cattle Market Outlook

"I am not going to urge that more cattle be produced," Mr. Gardiner continued. "There has been a slight reduction in 1946. There was, however, a gradual increase in the years up to 1945 which brought our production to the highest level ever attained. Marketings of beef cattle were: 1935 - 39, 1,000,000 head per year; 1943 - 45, 1,400,000; 1945, 1,785,000; 1946, 1,720,000 head.

"573,000 of them went to Britain in 1945 and the other 1,212,000 were consumed in Canada. We never have been able to negotiate an agreement with the United States prior to the war which would have provided a market for 573,000 head of our cattle at a rate of tariff which would have permitted them to be marketed in that country. It remains to be seen whether we can in the future.

"OUR producers are asking Canadians to pay 62 cents a pound for their butter" and might get that price if they provide the domestic market requirement of 340 million pounds annually. However, he warned that New Zealand and Australia could lay butter down in Canada at 39 cents a pound and might do so if Canadian production remained at the present

level of only 290 million pounds a year. This might make the Canadian consumer unwilling to pay 62 cents for domestic butter.

Bright Future

The improved economic position of Canadian farmers was shown in the following figures:

The average gross cash farm income for 1930 to 1934 was \$468,500,000; 1935-39, \$624,400,000; 1940-44, \$1,203,800,000.

Painting a rosy picture of the prospects for farm income in 1944-49, the minister pointed out that "contracts have been entered into which assure the highest floors from 1945 to 1949 ever established or realized over a comparable period for farm products. They are much higher than for the highest previous period which was from 1940 to 1944."

• • •

T. H. McLeod Named Regina Fair Manager

Thomas H. McLeod, who has been acting manager since last October, was confirmed in the position at a meeting of directors of the Regina Exhibition Association at the year end. He succeeds James Grassick who has been manager since 1943 and



T. H. McLEOD

who will continue with the fair board in an advisory capacity during the coming season.

D. A. R. McCannel was returned to office as president for a second term. Miss Amy Hall will continue as treasurer. Other officers are L. H. Dean, Stony Plain, first vice-president, and F. G. England, Regina, second vice-president.

President McCannel reported to the directors that the association was in the strongest financial position in its history, with the 1946 fair surplus amounting to \$71,406, and the surplus on the year's operations \$39,781. The race committee showed a surplus of \$15,982. Funds amount to \$66,072, compared with \$26,181 at the beginning of the past fiscal year.

• • •

CHAMPION COWBOY

Gene Rambo of Shandon, California, has been named all-round cowboy champion of 1946 by the International Rodeo Association. Scoring 6,714 points, he topped Bud Linderman of Red Lodge Montana, by only eight points in the season's contests.

U.F.A. Favors Strike Only Under Strong Safeguards

DEPARTING from long-standing U.F.A. policy, the organization's convention at Calgary, the middle of January, endorsed the principle of strike action — but with definite safeguards against ill-considered strikes. On this question, and on the closely related subject of merging the three major Alberta farm groups, the United Farmers of Alberta re-affirmed their policy of co-operation with the Alberta and the Canadian Federations of Agriculture. The attitude of the majority of the 31,000 U.F.A. and U.F.W.A. members toward these questions was set forth in four resolutions:

1. "That we recognize the right of Canadian farmers to withhold their products from market if and when circumstances warrant such action; that no direct strike action be taken unless a vote of the entire membership of the U.F.A. is favorable by three-fourths majority of those voting to such strike action; that no steps be taken toward strike action until after full consultation with the Canadian Federation of Agriculture and until every effort to achieve the desired results by negotiations has failed."

Some 45 delegates spoke on this resolution during five hours of debate, with about one-fifth of them flatly opposing sanction of strike action, however the resolution might be worded. Most of the speakers, however, favored strike action as a very last resort, and the resolution — after being amended into the form above — passed with a large majority. George Church, U.F.A. president, supported the motion, but declared himself personally against direct action. He felt there would be no need for strike action if there were a strong national organization.

2. "We endorse the proposed constitution as drawn up by the contact committee for the re-organization of the Alberta Federation of Agriculture." Merger of the A.F.A., A.F.U. and U.F.A. on this basis had been rejected by the Alberta Farmers' Union convention a week earlier.

3. "That the work of the contact committee be continued." This will leave the door open for further negotiations for merger.

4. "That the U.F.A. and U.F.W.A. make every move possible toward amalgamation" — which was passed after the addition of the amendment, "providing that continued support of the Alberta Federation of Agriculture and the Canadian Federation of Agriculture shall be a condition of such amalgamation". This was in reply to the A.F.U.'s proposal of merger on a basis which would exclude support of the Federation as presently constituted.

The four-day convention, one of the liveliest and most important in the 37-year history of the organization, was attended by 288 registered delegates and several hundred visitors. Special speakers included the Rt. Hon. Jas. G. Gardiner, federal Minister of Agriculture; J. E. Brownlee, who reported on the 1946 London international farm conference; N. B. Williams, Regina, publicity agent, Prairie Farm Assistance Act; Wes. Scott, who spoke on progress on the

proposed co-operative packing plant at Lethbridge; F. J. Fitzpatrick, superintendent of co-operative activities for Alberta; H. E. Spencer and J. M. Wheatley, representing the school trustees' and the rural municipalities' organizations.

It was agreed to table a proposal for a Dominion board or court with final authority to decide issues which might cause strikes. Another motion, advocating compulsory collection of U.F.A. membership dues, also was tabled.

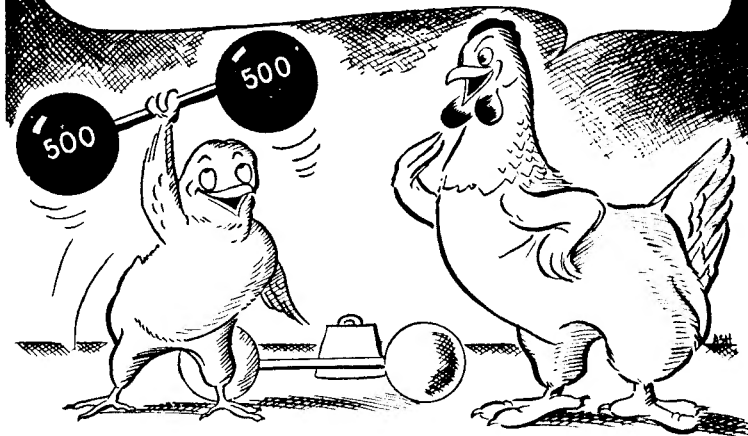
SOME of the resolutions passed by the convention requested: higher prices if cost of farm production continues to rise; \$1.55 per bushel for wheat consumed within Canada; permanent formation of the Wheat Board and closing of the Winnipeg Grain Exchange; barley bonus of \$5 an acre; compulsory car insurance. The delegates registered opposition to daylight saving time and to any increase in freight rates, petroleum prices or provincial gasoline taxes. Abolition of the social service tax was demanded. Publicly-owned rural electrification and provision for generation of power in the irrigation developments was another of the many measures advocated.

Remarkable growth of the U.F.A. Central Co-operative Association since it was launched in 1932, continued during the year ending October 31, 1946. A turnover of \$1,650,686 was recorded by the 15 stores, located at Acadia Valley, Big Valley, Calgary, Camrose, Chinook, Coronation, Drumheller, Medicine Hat, Milo, Morrin, Oyen, Strathmore, Three Hills, Veteran and Youngstown. The petroleum division distributed over nine million gallons of Maple Leaf gasoline and oils in its 134 plants throughout the province, with petroleum sales totaling \$1,784,150. Net gain on the association's operations for the year was \$163,224.

George E. Church, Balzac, was elected president for his third term. A. B. Wood of Dewberry defeated Paul Farnalls of Halkirk for vice-president. Former vice-president E. L. O'Neil, Pincher Creek withdrew from nomination because he was not engaged in farming at present. Mr. Farnalls succeeded Carl Colvin as director for Camrose district and H. E. Spencer succeeded Mr. Wood in Battle River. R. Ponting, Athabasca district; C. T. Armstrong, Medicine Hat; and R. Hennig, Vegreville, were re-elected. Terms of the other nine directors did not expire this year. The executive consists of Mr. Church and Mrs. Lowe, ex-officio; and Mr. Wood, Mr. Hennig and Donald MacLeod, Lake Isle.

Mrs. M. E. Lowe, Namao, was unanimously re-elected president of the United Farm Women of Alberta. First and second vice-presidents, respectively, are Miss Mollie Coupland, Lethbridge, and Mrs. W. C. Taylor of Edgerton. U.F.W.A. directors include Mrs. C. R. Murray, Edgerton; Mrs. N. D. Lehman, Camrose; Mrs. C. R. Braithwaite, Red Deer; Mrs. W. Schroter, Bremner; Mrs. V. C. Flint, Beaverlodge; Mrs. W. L. Barker, Calgary; Mrs. C. T. Armstrong, Hussar; Mrs. Russel Johnston, Helmsdale; Mrs. D. Smith, Westlock; Mrs. Minot Stetson, Edmonton; Mrs. A. M. Peters, Lethbridge; Mrs. H. Douglass, Vulcan; Mrs. N. Cowan, Berwyn; and Mrs. A. Torrie, Tofield.

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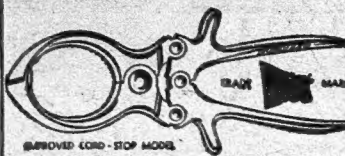
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Building Bird Boxes A Practical Hobby For a Handy Boy

By KERRY WOOD

A PLEASANT winter-evening project for boys is to build bird-boxes to place around the home garden or school grounds next spring when the songbirds come back from the southland. Birds give us a lot of pleasure with their lovely melodies and colorful plumage, but quite apart from such delights it is most important to encourage birds to live near us because of their good work in keeping the insect legions under control. Hence building a bird-box isn't only a pleasant pastime, it's a worthwhile contribution to the welfare of your home neighborhood.

Take the Little Tree Swallow for an example of bird-control of insects. Tree Swallows feed mostly upon mosquitoes, catching these pests 100 feet above the ground when the insects go aloft on mating flights. Well, it is estimated by naturalists that swallows catch two or three mosquitoes per mile of flight and these birds fly at a normal speed of 20 miles per hour. When they are busy gathering food for their young the adult birds are on the wing about 15 hours a day; let's say that they average only 10 hours of flight daily. This means that each Tree Swallow travels 200 miles daily in quest of food, and even if they catch only two mosquitoes per mile, 10 hours' flying means that each swallow destroys 400 mosquitoes a day! Multiply that figure by the number of days the swallows spend with us during the summer season and you'll be amazed at the mosquito total one swallow destroys in a single summer.

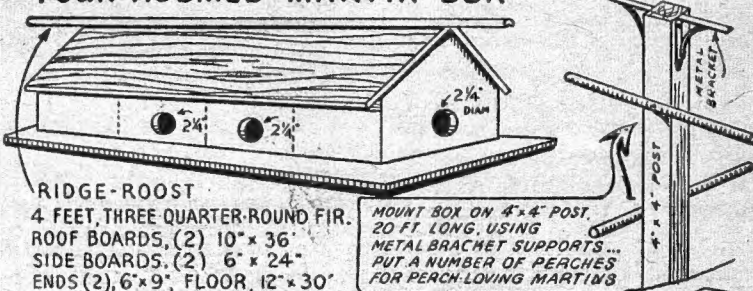
Some naturalists believe that the Purple Martin, the large cousin of the Tree Swallow, eats over 25,000 mosquitoes annually, per bird, during its stay in Canada. And both Tree Swallows and Purple Martins will be most happy to find a bird-box waiting for them in your garden when they fly north next spring!

THE other box-builders are no less useful to us at this important work of keeping harmful insects under control. The cheery little Chickadee feeds all year round on plant lice, eating the live lice during the summer from our garden shrubbery and feeding on plant lice eggs all winter. Bluebirds go after soft-bodied insects around the garden and even tackle potato-bugs at times. Wrens are tireless insect hunters, for this tiny mite of a bird devours five times its own weight in "bugs" every day!

Bird houses are a fad right now among home-owners, but in many cases the bird-box is purely an ornamental object and little thought has been given the idea of whether the birds will like it as a home. For example, many a bird-box seen today is a copy of our own type of dwelling, complete with windows and chimneys. Well, birds don't like windows, and what good is a chimney to them? The natural nest of the box-nesting bird is the discarded home of the woodpecker, considered the carpenter of the bird world. Examine an old woodpecker hole sometime and you'll



•FOUR-ROOMED MARTIN BOX.



•SAW-LOG BIRD BOX.



•SIMPLE-TYPE-SUITABLE FOR BLUE BIRD.



see what birds require of a good bird-house.

First, the box should be absolutely weatherproof. A poorly made box is drafty and leaks, and such things can easily cause the death of newly-hatched young birds. It is wise to have a generous over-hang of roof to protect the entrance hole from rain. Next, be sure the box is the right size for the right bird; so often one sees a martin-sized house with a wren-sized opening. The entrance hole must always be sanded smooth, as rough edges of wood or paint tear the feathers and skin of birds as they go quickly in or out the box. A perch placed under the entrance hole greatly helps the birds, particularly during the time they feed the young.

It is important that bird-boxes be properly located: most birds prefer the box opening to face the morning sun or even northward so that the hot noon sun won't shine directly into the nest and make the box too warm for comfort. For your own convenience equip the box with a clean-out feature, such as a hinged floor, so that you can easily clean the house at the end of the summer and thus make it last for several seasons. Finally, never open up an occupied bird-box: how would you like a giant to open up your house and peer in at you?

HERE are the proper sizes of bird-houses, designed for some of the more common of box-nesting birds:

BLUEBIRDS—the inside floor size, 5 by 5 inches. Depth inside, 8 inches. Entrance hole, 1 1/2 inches, and this hole should be placed 6 inches up from the box floor. Bluebird boxes should be located on a

house or building, preferably facing east.

TREE SWALLOWS—5 by 5 inch floor space. Depth inside, 6 inches. Diameter of entrance hole, 1 1/2 inches, the hole located 5 inches up from the floor. The swallow box should be placed on top of a 10-foot pole out in the garden, and be sure to nail a 3-foot wrap of tin around the pole half way up to prevent cats and squirrels from raiding the nest.

PURPLE MARTINS—This bird is the only colony nester, and several pairs will occupy one house if it has rooms to accommodate them. Each Martin room should measure 7 by 7 inches on the floor, have a 6 inches depth inside, an entrance hole 2 1/4 inches in diameter, and the entrance should be placed only 1 1/2 inches up from the floor. A Martin box needs a wide, over-hanging roof so that the large entrance holes are protected from rains; there should be wide ledges under each hole instead of perches, as the young birds like to come outside and sun themselves when half-grown. The box can be made in two, four, eight, twelve, or even twenty-room units, and the house should be placed on a stout pole 15 to 20 feet high and located out in the open garden. Remember the wrap of tin around the pole, as pussies love eating martins!

CHICKADEES—4 by 4 inch floor space; 8 inch depth inside; diameter of entrance hole, 1 1/4 inches, this hole placed 6 inches up from the nest floor. The Chickadee box should be located in a sheltered, well-hidden spot among trees or heavy shrubbery, fastened on a tree about six feet up from the ground.

WRENS—4 by 4 inch floor space; 6 inch depth inside; diameter of hole 1 inch, the hole placed 5 inches up from the floor. While wrens are valuable insect destroyers, they sometimes puncture the eggs of other birds nesting near their homes, so Wren boxes should be isolated 50 yards or more from any other bird house. In crowded cities, where the pestilent House or English Sparrow takes over so many bird-boxes, the wren box is a happy solution to the sparrow prob-

lem as sparrows cannot get into the small 1 inch opening suitable for wrens' use.

ROBINS AND PHOEBES can be provided with open nest platforms, roughly 6 inches square, and these platforms should be nailed up under house and barn eaves to protect the birds from rains. They will build their own nests on the platforms but really appreciate finding suitable ledges for their homes.

RE-SAWN boards an inch thick are quite suitable for constructing bird-houses. Old lumber is usually better than new stuff, because it has finished shrinking and a box will stay tight if built of thoroughly seasoned material. Paint makes a bird-box attractive to our eyes, but what do the birds think of it? Well, birds seem to prefer inconspicuous colors. Possibly the best finish for a bird-box is to take fragments of rough bark, such as poplar and spruce barks, and glue and nail this type of finish onto the outside of the bird-house.

Another excellent type of bird-box can be made by taking a saw-log of wood and splitting it in half, then hollowing out the two halves into a cavity large enough for a bird's home, finally nailing the halved log together again and boring an entrance hole with an auger. Nail a slanted roof-board on and you have a nest box similar to a woodpecker's hole—the ideal of all bird-boxes.

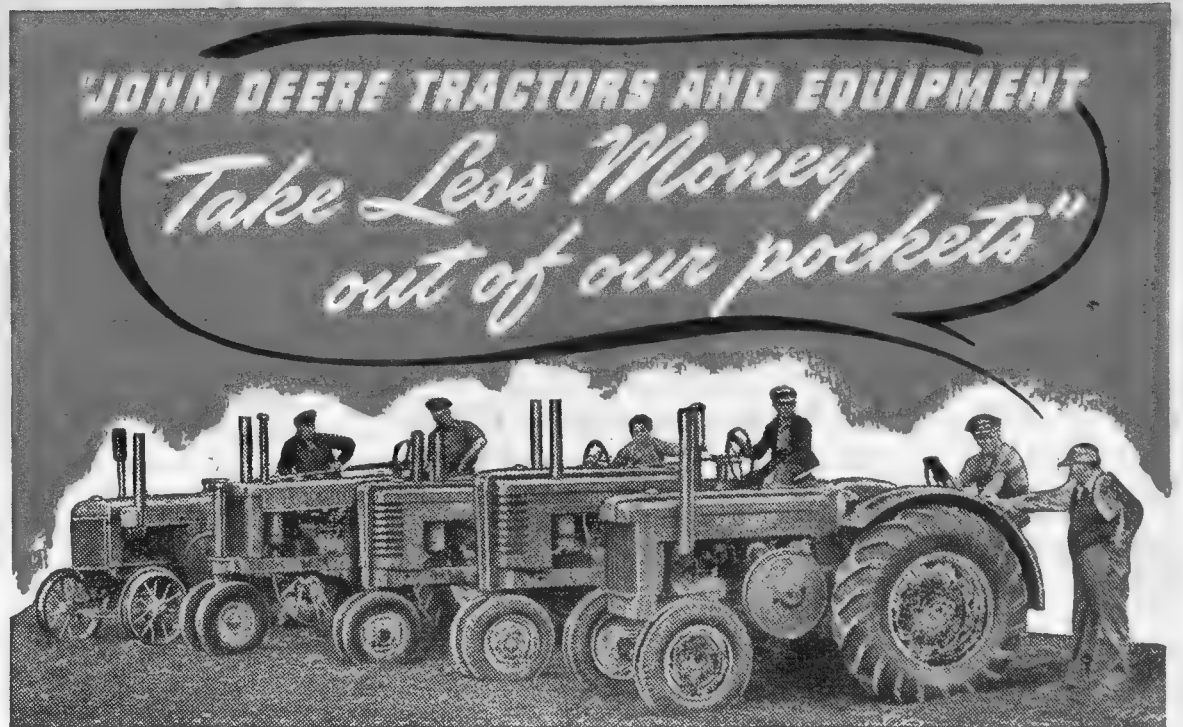
There are other ways of attracting birds around our homes in addition to building bird-boxes. For instance, you can establish a window feeding ledge outside kitchen or living room windows; put bread crumbs, suet lumps, crushed nuts and cracked grain on the shelf and you'll be amazed at the variety of birds that come daily to enjoy this feast. Feeding shelves are particularly helpful in winter, when birds have a hard time finding food. During the spring nesting period one can put out short lengths of string and wool, cotton batting, feathers, and even finely shredded newspapers as materials the birds will find interesting to use as nest-lining.

Shrubs like cotoneaster, mountain ash, cranberries, saskatoons, choke-cherry, and other wild berry shrubs may be planted in waste corners of the garden to provide fruit food for birds during the late fall and winter seasons. And be sure to give them a bird bath where they can drink and bathe during the hot weather; you can build a proper one out of concrete, using a 50% mixture of cement and sand to make it water-tight; or use a shallow dish on a platform. But always keep the water fresh and never have it dangerously deep.

Birds are fascinating creatures to study, with their wonderful flight control, their charming and surprising habits around nests, and their lovely songs and beautiful feathers always giving us pleasure. Many men and women make a lifetime hobby out of watching birds, and most of them started this delightful sport by building bird-boxes to attract feathered friends around their homes. So build your bird-box today.

NO BIRDS, MANY BUGS

The value of bird life to agriculture has been illustrated in Lord Howe Island which lies 440 miles northeast of Sydney, New South Wales. In 1917 birds abounded on the island, states the *Australian News*. By 1927 not a bird was left. Rats from a shipwrecked vessel destroyed them, even climbing trees to get the birds. As a result, a flourishing palm seed industry was wiped out by weevils, which the birds had formerly controlled.



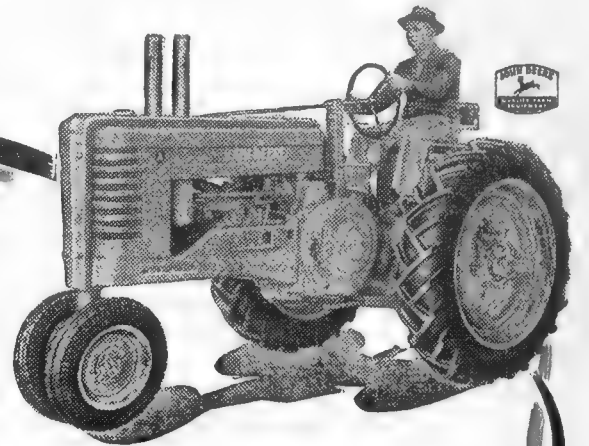
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Best Grain Varieties For Alberta Zones

ALBERTA farmers have the benefit of expert advice in planning the varieties of grain to seed. The Alberta Varietal Zonation Committee each year recommends the best established varieties of grain for each of four zones in the province. The information is published in "Crop Varieties For Alberta", available from the Alberta Department of Agriculture and from district agriculturists. The committee is composed of representatives of the University of Alberta, the Schools of Agriculture and the Dominion and Provincial Departments of Agriculture. Following are the recommended varieties (listed alphabetically) for 1947, for the various zones which appear in the accompanying map:

SPRING WHEAT:

Zone 1—Canus, Marquis, Thatcher.
Zone 2—Canus, Marquis, Red Bobs, Thatcher.

Zones 3 and 4—Red Bobs, Thatcher.
WINTER WHEAT: Kharkov in all areas where winter wheat is grown.

OATS:

Zone 1—Ajax, Victory.
Zone 2—Ajax, Eagle, Legacy, Victory.

Zone 3—Ajax, Eagle, Larain, Legacy, Victory.

Zone 4—Ajax, Banner, Larain, Legacy, Victory.

FLAX:

Zone 1—Bison, Royal.
Zone 2—Bison, Redwing, Royal.
Zones 3 and 4—Redwing.

MALTING BARLEY: Montcalm, O.A.C. 21 and Olli in Zones 2, 3, 4.

FEED BARLEY:

Zone 1—(Dry land)—Newal, Titan.
Zone 2—(Dry land)—Newal, Olli, Titan.

Irrigated Areas—Newal, Olli, Sanalta, Titan, Trebl.

Zone 3—Newal, Olli, Sanalta, Titan.
Zone 4—Newal, Olli, Titan.

Crops of Secondary Importance

RYE: Dakold (fall) and Prolific (spring) are varieties recommended for use in Alberta where it is desired to grow this crop.

FIELD CORN: This crop has been grown chiefly in the southern sections of Zones 1 and 2. The recommended Flint varieties are the yellow variety, Gehu, and Mixed Flint, which mature at the same time; and Manalta, an earlier variety adapted to more northerly districts of Zones 1 and 2. Dent varieties recommended are Minnesota No. 13, a yellow variety, and Northwestern Dent (Lethbridge strain) which is red. Corn seed produced in Alberta from selected strains is most suitable for planting in Alberta.

FIELD PEAS: Commercially acceptable varieties: Alaska is a very early, smooth, green, boiling pea, which is sometimes used as a garden and canning variety. It is, however, quite low in yield. Japanese Sweet Wrinkled is a high quality, sweet, boiling pea commonly grown under irrigation. Early Blue is a very short vined, smooth, green, early maturing usually acceptable, boiling pea of medium size. Idabel is a smooth, green pea somewhat larger than Early

Blue and later maturing. Chancellor (Dashaway) is a smooth, small, yellow pea which matures at about the same time as Idabel. It meets the demands of the split pea trade or may be grown for feed.

The following notes are given on the recommended varieties, as well as on introductions which show promise but about which insufficient information is available to justify definite recommendations:

SPRING WHEAT:

Marquis, because of its milling and baking qualities, is used as the basis of the grain grades established under the Canada Grain Act. Its length of straw makes it suitable for growing in areas with limited precipitation, and it may be grown in all districts where frost and rust are not limiting factors in production.

Canus is a bearded wheat, with good length of straw, slightly later than Marquis, but has a tendency to shatter. It has been found useful on some of the lighter soils and where moisture is limited.

Red Bobs is a high yielding variety four or six days earlier than Marquis. It is an excellent milling and baking variety, though slightly lower than Marquis in protein content. It has a tendency to shatter when fully ripe, and on the wooded soils or under moist conditions produces starchy kernels.

Thatcher is the only variety of wheat resistant to stem rust at present recommended for Alberta. It is a high quality, high yielding variety about as early as Red Bobs. The straw is strong but shorter than Marquis.

Regent is a strong strawed, early maturing variety which may have a place in heavy soil areas of Zones 2 and 3, where these characteristics are advantageous. While it is one or two days earlier than Red Bobs and Thatcher it does not yield quite so well. It is resistant to stem and leaf rust and does not shatter readily.

Rescue is highly resistant to sawfly damage, and is recommended for areas where this is a hazard. It is not recommended for other areas because it is likely to lodge under moist conditions, and, being low in quality, cannot be graded higher than No. 3 Northern.

Redman is a high quality wheat and is resistant to stem and leaf rust. It is about as early as Thatcher, equally strong-strawed, but slightly lower in yield.

WINTER WHEAT: Kharkov M.C. 22, because of its winter hardiness and strength of straw, is the variety of winter wheat recommended for use in Alberta in all areas where winter wheat is grown.

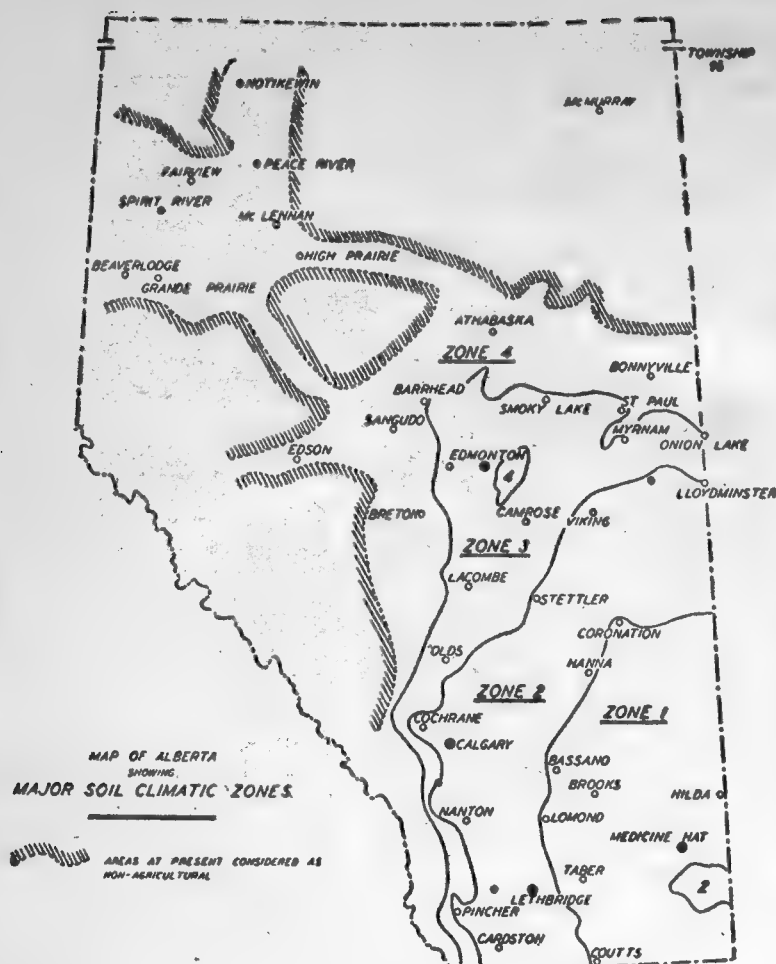
OATS:

Victory and Banner are both high yielding, medium late varieties.

Eagle is a medium late variety similar to Victory in appearance and yield, but is stronger and usually shorter in the straw.

Legacy is about a week earlier than Victory or Banner but is slightly lower in yield, particularly in dry seasons. Although a good feed oat, it has a long, lean kernel.

Ajax is an early variety resistant to stem rust. It yields well compared with other early varieties, but not so well as the later maturing varieties.



The kernel is usually plumper than that of Legacy.

Larain is an early-maturing, strong-strawed variety with plump kernels. Like Legacy and Ajax it is lower yielding than the later-maturing varieties.

Beaver matures slightly later than Ajax and has yielded about the same. It has an attractive kernel and is moderately resistant to stem and crown rust.

Laurel is perhaps the variety of hullless oats best known in Alberta. However, its low yield and susceptibility to smut have limited its use. Brighton, a hullless variety, developed at the Central Experimental Farm, Ottawa, yields better than Laurel and is resistant to smut.

MALTING BARLEY:

O.A.C. 21 is the standard commercial malting barley in Canada. It yields moderately well, though the heads break off rather readily when ripe. While it makes an excellent feed, it does not yield so well as the approved feed barleys.

Olli is a very early variety with short strong straw. Its early maturity makes it very useful in districts subject to frost and as a cleaning crop. It yields better than O.A.C. 21 but tends to have smaller kernels.

Montcalm is a new variety of malting barley. In most respects it is similar to O.A.C. 21 but has relatively smooth awns, yields slightly more and the heads do not break off so readily. It appears to be a few days later maturing than O.A.C. 21.

FEED BARLEY—

Newal is a smooth-awned, high yielding feed barley. The straw is strong and of medium height and makes excellent feed. It is susceptible to loose smut but in spite of this out-yields the other commonly grown varieties.

Olli, as well as being recommended as a malting variety in Zones 2, 3, and 4, is, because of its earliness, useful as a cleaning crop, and is also recommended as a feed barley in the northern part of Zone 2 and in Zones 3 and 4.

Sanalta is a two-rowed, smooth-awned variety. It is high yielding,

does not shatter readily, nor do the heads break off easily. It is, however, about a week later than Newal.

Titan is a very strong strawed, smooth-awned, smut-resistant feed barley developed at the University of Alberta. It has given good yields on the black soils, but does not yield so well in the gray soil areas. The awns are very persistent and will not break off unless threshed when quite dry.

Trebi is the highest yielding of the six-rowed, rough-awned varieties. It has short straw of medium strength and ripens a little later than O.A.C. 21. It is recommended particularly in the irrigated areas of Zones 1 and 2 because of its high yield. It has a heavy hull and flinty texture and is therefore hard to grind.

Warrior is an awnless (hooded) early, strong strawed variety which yields well. It is useful for weed control and feed purposes.

FLAX:

Bison is a fairly good yielding, wilt resistant variety.

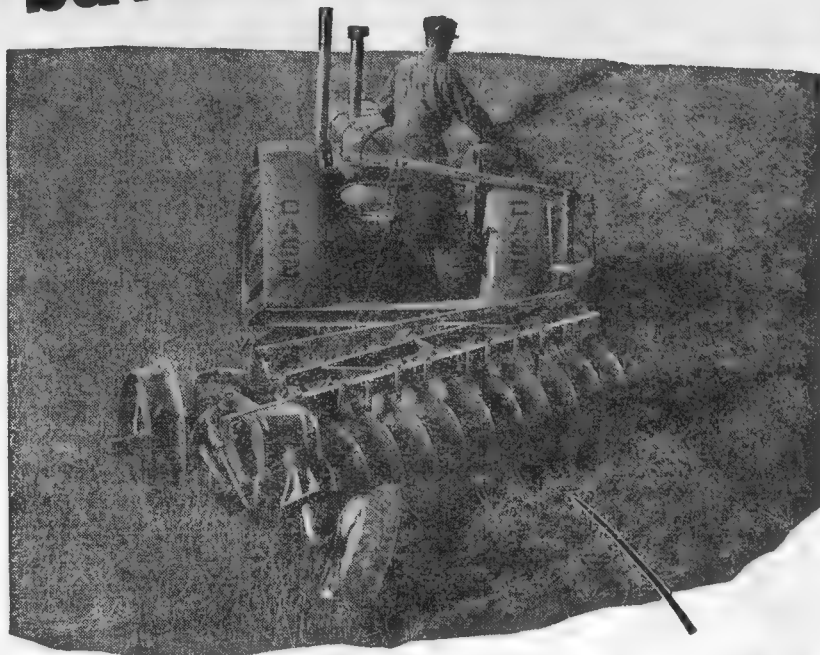
Redwing is four or five days earlier maturing than Bison, is strong strawed, wilt resistant, and has a smaller kernel than Bison. It yields well and is recommended for the northern part of Zone 2 and for Zones 3 and 4.

Royal is a variety with slightly smaller seed than Bison, somewhat higher in yield but slightly later, and definitely weaker in the straw. It is fairly resistant to wilt and possesses some resistance to rust. It is recommended for Zone 1 and the parts of Zone 2 having the longest growing season.

McKENZIE LEAVING CO-OPERATIVE POST

Wilbur C. McKenzie, for the past several years manager of the Southern Alberta Co-operative Association has announced his resignation, to become effective April 1, 1947. Mr. McKenzie has been actively associated with many successful co-operative projects and agricultural activities since he became a member of the first provisional marketing board in 1923. No successor in the position has yet been named.

Anchor the Stubble Save Your Soil . . .



The Right Way to Use the ONE-WAY

Canadian authorities agree that 3 to 3½ or at very most 4 miles an hour, depending on soil, moisture and disk angle, is the top limit of speed for the one-way. As a rule, unless there is an excessive amount of stubble, the one-way should be used only once in summer fallowing. Later operations for weed control are a job for duckfoot or other blade-type implements. Their speed, also, should be held down to avoid too much disturbance of the soil.



Stubble left by the combine can be the greatest defender of Western Canada's soils. Firmly anchored and sticking up well above the surface, it breaks the force of the wind, prevents soil from blowing, and holds snow to build up the moisture supply. RIGHTLY used, the one-way disk plow is a fast, economical, and generally effective means to kill weeds, prepare for a new crop, and create a protective cover of upstanding stubble.

WRONGLY used, the one-way often causes great damage to soil and crop. Pulled too fast, it breaks down the structure of soil, pulverizing it too much. Soil so damaged is liable to blow, and often requires special clod-building operations to restore a degree of structure that will hold down drifting. Run too deep, the one-way buries the stubble; or if too fast, throws it loose on the surface—worthless either way to stand guard against wind.

The one-way is a powerful weapon for defense or damage of your soil, depending on how you use it. You will find it helpful to take advantage of the recommendations of your agricultural representative, based on research by your agricultural college and experiment station.



CASE

Case one-way disk plows have accurate adjustments for positive control of depth, also for angle of cut, to get just the right amount of turn and cover in varying conditions. Choice of disk spacing and diameters to suit your soil. When increasing production enables you to get a Case One-Way, choose a size that will make full use of your tractor power at moderate speed. Keep in touch with your Case dealer. J.I. Case Co., Calgary, Edmonton, Regina, Saskatoon, Winnipeg.



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Four 4-lb. bags of 'special' **WARBICIDE** for application with power sprayers, contain the same amount of active ingredients as one of the former 15-lb. bags. The quality and effectiveness of **WARBICIDE** remain unchanged.

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Editorials by PRACTICAL OBSERVERS

MUCH space in the daily press of Western Canada has been used and much talk has been heard in recent months regarding the application of the Canadian Railways for an increase in the freight rates; the vast majority of the statements are

Two Sides to The Argument

in opposition to the suggested increase; we have been examining the facts in the case from the position of fairness and have to admit that there is much to favor the application for an increase; within recent months the railways have been forced to meet a decided increase in wages in all sections of the operations; the cost of steel and lumber has advanced steeply, in fact every item which enters the railway operations has increased, due to the demand of workers for increased wages; why not permit the railways to pass on a portion of the increased expenditures to those who are in a position to at least share in the upkeep of our railways? No other agency during the war, outside the fighting forces, did such a splendid job for Canada and the Allies, as did the railways of Canada. Let us be fair; there are two sides to the argument, get them both.—Alameda Dispatch.

★ ★

I AM very pleased to note that the *Farm and Ranch Review* is taking up the fight to get something done to help protect our forests.

I have tried for years to get some of the people who benefit most from these areas, the ones who cut in them in the winter and drive to town in their shelter, to raise their voices with mine, and to help protect the trees from wasteful cutting and careless fire.

For Forest Protection

I must say it has been a thankless job, as the intelligence of the average man seems about that in the story of the Irishman, on the boat, who said, "let her sink, we don't own her."

I for some time blamed the Forest Service for their apparent apathy in regard to protecting anything except perhaps the stumps, but I find in talking to and corresponding with some of them, that the whole trouble is lack of money, voted by the provincial government, whose policy is best described as "too little and too late."

It appears that there are a large number of small tracts, scattered about, and usually surrounded by

municipalities which are not valuable enough as saw timber for the already over-busy timber inspector's time to be wasted on them, and the municipalities take no interest in protecting either the timber or the settlers to whom it is ever a fire danger.

Teaching the value of forests, large and small; in schools might do some good in future, but I fear it will bring results too late to save the present growth.

I look with dread upon the work done by the big brush-cutters and bulldozers. As valuable as these machines could be in clearing land, they can be a menace almost as great as fire uncontrolled.

I hope that your interest in the subject is a sign that people are beginning to awaken, however late, and that something may be done before the trees are gone.—Wilbur Flanagan, Brownvale, Alta.

★ ★

ROBERT G. Smellie, president of the Dairy Council of Canada, said in a speech at Halifax recently that "Canada is not producing sufficient milk to meet the requirements of her own people."

New Deal for Dairy Farmers

And as one listens to the howls which go up from city and town folks over the recent increase in the price of milk one wonders.

We expect workers to ask for more money in secondary industries, and for shorter hours and for greater security. That's largely what all the strikes have been about and the milk producers and producers of other farm products know it.

We wonder how a lot of our city folks would like to be ordered out to the farms and ranches these days to feed and milk the cows, to feed the livestock and to plow to town through the snow with their produce. We wonder how they would like to live without electric lights and running water, with highways which are quagmire after every rain in summer and are blocked by snow after every storm in winter, with hospitals and doctors and schools that can be reached only after the greatest effort.

'Review' Brings Inquiry From Far-off Africa

THAT Alberta livestock is becoming known half-way 'round the world is indicated by the following letter brought to this office by Charles C. Matthews of the Highland Stock Farm, west of Calgary. Mr. Matthews has replied to the Gold Coast state farm manager, furnishing the information requested.

Edmund Danso,
State Farm Manager,
P.O. Box 10, Kibi,
Gold Coast, Africa.

Highland Stock Farm,
3006 - 10th St. W.,
Calgary, Alberta.

Sir,—
I have the honor most respectfully beg to inform you that I have seen your name and address in the *FARM AND RANCH REVIEW* and I am therefore writing you to send me your Catalogue containing full instructions about cattle, pigs, poultry, etc.

Hoping this, my humble request, would meet your favorable approval.

I have the honour to be,

Sir,

Your obedient servant.

(Sgd.) E. DANSO,
S.F. Manager,
Kibi.

The farmer hasn't gone soft. He's still willing to work. But he thinks it's about time for a new deal. We think he's right.—*Lethbridge Weekly Herald*.

★ ★

JUST where the proposed new agricultural school for Southern Alberta will be located is not known at the present time, but Brooks hopes that the substantial arguments offered in favor of this locality as a site will be given due and fair consideration.

That New Farm School

Brooks is centrally located, on the main line of the Canadian Pacific Railway, and in the heart of a well-developed agricultural area. Further extensive developments in irrigation is as

(Continued on page 26)

for the farm library

SOIL DRIFTING CONTROL IN THE PRAIRIE PROVINCES — publication 568, Farmers' Bulletin 32 — is available free from the Department of Agriculture, Ottawa. The fourth revision of the bulletin first printed in 1935. Clearly written, the 59-page booklet deals with this vital problem in a practical way. It is particularly timely now when scientists warn that a dry year may be expected soon, following the long series of wet years enjoyed on the prairies.

PREVENT ACCIDENTS, a booklet which might save many lives if read and digested by everyone. It is being distributed to householders by Robin Hood Flour Mills Ltd. The publication deals with accident prevention in the home, garage, barn and farmyard, and while hunting, fishing or during other recreation. It describes fire

control; safe handling of tools, equipment, electricity and animals; and covers first-aid treatment. It may be obtained by writing the company's office at Winnipeg, Saskatoon, Moose Jaw, Calgary or Vancouver.

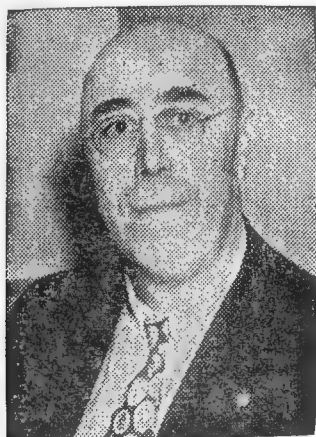
THE CANADIAN HEREFORD HERD BOOK, Vol. 27, has been published by the Canadian Hereford Breeders' Association, D. A. Andrew, sec.-treas., 525 - 10th Ave. N.E., Calgary, Alta.

CATTLE FINISHING IN ALBERTA — by J. P. Sackville and R. D. Sinclair, department of animal science, University of Alberta. Bulletin No. 34, third edition, distributed free by Department of Extension, University of Alberta, Edmonton. A useful booklet covering the subject from the farmer's standpoint.

A. F. U. Bars Co-operatives From Any Farm Group Merger

CLIMAXING 16 hours of debate, the Alberta Farmers' Union in convention at Edmonton rejected, on January 9, the resolution proposing amalgamation with the United Farmers of Alberta and the Alberta Federation of Agriculture under the joint committee's suggested draft constitution. Official figures were not released, but estimates placed the vote at approximately 400 opposed and 250 in favor. Opposition to the merger centered mainly around supposed lack of support for strike action in the co-operative associations affiliated with the other two farm organizations.

The resolution was moved by Henry G. Young of Millet, seconded by L. E. Pharis of Magrath, and strongly sup-



RETURNED TO OFFICE

Delegates to the annual convention of the Alberta Farmers' Union in Edmonton re-elected Carl J. Stimpfle, above, as president of the organization for 1947.

ported by many speakers including Roy Marler, president of the Alberta Federation of Agriculture, George Church, United Farmers of Alberta president, and J. M. Wheatley, president of the Alberta Association of Municipal Districts. Opposition speakers included R. N. Russell of Athabasca and Ray Garneau of Wainwright, both A.F.U. directors, and Carl J. Stimpfle of Edmonton, president of the organization.

The following day, the convention unanimously adopted a proposal: "(a) To approach the U.F.A. with a view of amalgamating the direct bona-fide farmer membership with our own without including any commercial organizations.

"(b) To consult with the direct membership bona-fide farmer groups in the provinces as to the practicability of establishing a national organization consisting of affiliations of provincial non-commercial farm organizations."

This would eliminate commercial co-operatives from any Alberta amalgamation and from the suggested new national organization. Mr. Young, in moving a substitute motion which was defeated, attacked this resolution on the grounds that it was a declaration of war against the existing Canadian Federation of Agriculture. Mr. Stimpfle, who in his presidential address had envisioned a national farmers' union with direct membership "in at least the four Western Provinces," termed the resolution "ideal". Previously, the convention had heard from George B. Wright,

president of the United Farmers of Canada, Saskatchewan section, regarding the support given by his organization to the A.F.U.-sponsored farm strike in 1946. F. L. Gagnon, visiting delegate from Manitoba, reported on the work among farmers in his province directed toward forming a group patterned after the A.F.U.

The financial statement showed that A.F.U. membership, which stood at 18,000 to 19,000 before the farm strike in September, had since passed the 30,000 mark. Contributions to the strike fund had amounted to \$43,757 at the end of October, membership dues totalled \$30,270, and the balance on hand after disbursements was nearly \$48,000. The strike cost the union's treasury \$10,370.

Mr. Stimpfle, who stood for re-election "on the basis of my record during the union's busiest year", was again chosen to head the organization, defeating A. D. Olsen of Homeglen. Henry G. Young was elected vice-president. Other executive members named were Ray Garneau, Wainwright; R. N. Russell, Athabasca; and Mrs. L. E. Pharis, Magrath, women's representative. Secretary is R. J. Boutillier, Edmonton.

Little time remained for dealing with other resolutions; however, some of the motions passed included the following principles: a better system of grading farm produce; expenditure on rural roads of all the provincial revenue received from cars and trucks operated in rural communities; probe of production cost of gasoline; bounties on magpies, crows and coyotes; publicly-owned rural electrification; abolition of Alberta's social service tax; opposition to daylight saving time; efforts to obtain co-operation of the Canadian Brotherhood of Railway Employees in any future farm strike. A resolution proposing storage of perishable products in the event of another strike, was defeated.

A. H. MAYLAND DIES SUDDENLY

A. H. Mayland, 72-year-old prominent citizen of Calgary, died suddenly on January 11. He was president of Gas and Oil Products Ltd. and controlled a large ranching business in Western Canada. His sale of the Union Packing Company plant at Calgary to Swift Canadian Ltd. in November, was one of the biggest business transactions in Western Canada last year.

Mr. Mayland also made history with his purchase of the 233,000-acre ranch and 5,000 head of Herefords from Gilchrist Brothers, Wild Horse, Alta., in 1945. This involved one of the largest ranching transfers ever recorded in this country. In 1928, he had acquired a 67,000-acre sheep ranch near Tilley in Southwestern Alberta. He also owned several farms in the Nanton district, where he had settled in 1904, and he operated a small farm near the former Union packing plant at Calgary. He is survived by his widow, two daughters a brother and a sister.

From August 1 to December 1, 1946, Canada exported only about 75 million bushels of wheat as against 153 million for the same period in 1945.



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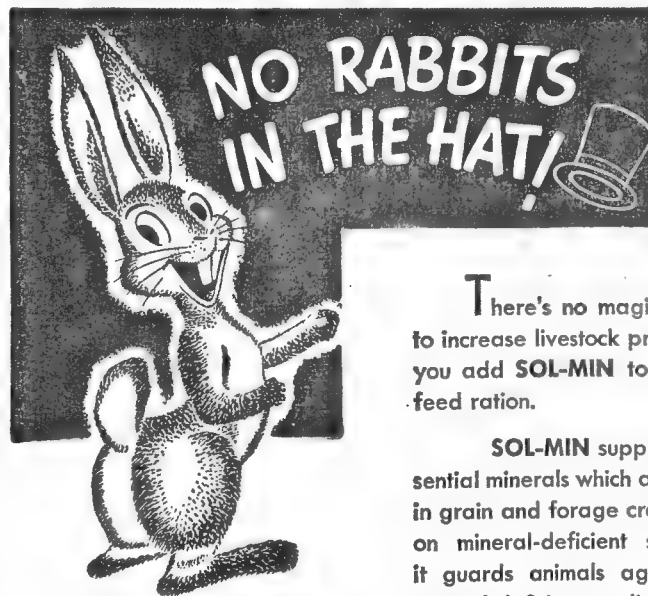
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SOL-MIN and PIG-MIN cost less than one cent a day per head

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YOUNG PIGS
BACON HOGS

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Vandevelde Wins Two Top Saskatchewan Wheat Awards

TWO excellent samples of Thatcher wheat, best exhibits in the open and registered competitions, won the wheat crown for R. Vandevelde of Viscount at the Saskatchewan Provincial Seed Fair held in Saskatoon. He also carried off the Canadian Seed Growers' Association trophy with his sample of registered wheat, weighing 65¾ pounds to the bushel, and the Farm Crops trophy in the open class with a sample weighing 66 pounds to the bushel.

An outstanding winner was Louis Wendell, Jr., of Neudorf, who showed the champion exhibits in the open classes for oats, flax, barley, rye, field peas and crested wheat grass. His sample of Victory white oats weighed 46 pounds to the bushel and his winning O.A.C. 21 malting barley weighed 53½ pounds.

Second to the Vandevelde sample in the open class for Thatcher wheat was an entry of A. J. Langdon, Moose Jaw. Third went to M. G. Trowell, Saltcoats.

Peter Horn of Regina showed a sample of Apex wheat weighing 65 lbs. to the bushel to win the class for varieties other than Thatcher. Second was Victor Gadzella of Blaine Lake with Renown weighing 61 lbs., third was Clifford Jones of Netherhill, and fourth went to G. B. Gilmour of Moose Jaw with a sample of the new sawfly-resistant variety Rescue, weighing 65¾ lbs. to the bushel.

W. W. Hayes of Moose Jaw showed the winning Durum wheat, a sample of Mindum.

Second to the Wendell championship sample in the white oats open class was an entry of Vanguard weighing 45½ lbs., contributed by M. G. Trowell, Saltcoats. A. J. Langdon had third with an entry of Ajax.

George Gwyet of Kelvington placed second to the championship Wendell six-rowed barley with O.A.C. 21 and M. G. Trowell had third with the same variety. W. G. Knox of Tuxford had the best sample of two-rowed barley, showing Rex.

R. T. McKeith of Ridgedale and Joseph Caplan of Weldon showed the winning samples of flint corn and annual rape. Victor Gadzella of Blaine Lake had the best sunflower seed sample.

M. G. Trowell won the Darnborough Trophy for the championship sample of sweet clover seed and also won the class for brome grass seed.

The sample of Thatcher showed by Octaaf Laevens of Kamsack was adjudged best in the well-contested junior section, also winning the Seager Wheeler trophy. Second and third awards went to Sydney Gemmell and James Gemmell, respectively, of Tuxford. Jack Bullen of Frenchman Butte won the junior oats championship and Bob Richardson, Melfort, the barley championship. William Clark of Kamsack was named junior potato champion.

Gross income of United States farmers in 1946 reached the huge figure of \$23½ billion, an all-time record and about \$2 billion over the 1945 total. Before the war the average annual U.S. farm income ran from \$10 to \$11 billion.

Farm Machinery Ceilings Retained

WHILE price controls were removed on January 13 from a large number of household food items and commodities and certain services, ceilings are maintained on practically all items of farm machinery including planting, seeding and fertilizing equipment, plows, tillage implements and cultivators, haying machinery, tractors, wagons, dairy machines and equipment, sprayers and dusters.

They remained as well on articles of barn and barnyard equipment, incubators, brooders, poultry feeding and watering equipment, stationary gas engines, beekeepers' supplies, harness and harness hardware, barbed wire, binder twine and wheelbarrows.

Feed and feed products, except horse meat, pet foods, straw, clam shell and poultry grit, agricultural limestone, hydrated lime and chemical fertilizers of all kinds were still covered. Likewise were gopher poisons, seed beans and peas, wheat, barley, oats, flaxseed and a number of other grains.

Still covered by Canada's price control policy were motor vehicles including parts and accessories as well as truck trailers, pneumatic tires and tubes, storage batteries except for specialized industrial uses, bicycle parts and accessories.

Lumber of all kinds; millwork, doors, sashes, windows, stairs and gates, plywood and veneers remain under ceilings. Also controlled are pre-cut lumber products designed for use in residential or farm buildings but not including fully pre-fabricated buildings.

Builders' lime and plaster, cast iron soil pipe, nails, staples, rivets, bolts and nuts, builders' hardware and locks are still included in the controlled items.

Price ceilings remained, too, on cooking stoves and ranges but not on rangettes, on electrical and gas refrigerators, furnaces and other heating equipment except portable electric heaters.

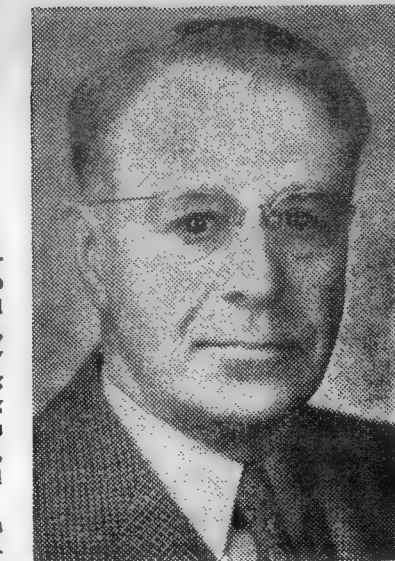
Effective January 20, ceiling prices on leather footwear, used cars and restaurant meals were advanced about 10 per cent and on used trucks 7 per cent.

Best Cereal Varieties for Saskatchewan

THE Saskatchewan Cereal Variety Committee, consisting of Dominion and Provincial agricultural authorities, has drawn up its recommendations of varieties for sowing in the various zones in Saskatchewan in 1947.

Thatcher wheat is recommended for all zones excepting 3H in the northwest. A new, stronger strawed, higher yielding strain of Apex is approved for the heavy soil zones 2E and 2F. Reliance is approved only for 1B, which is west of Swift Current; Red Bobs for 3H. Redman is recommended for the eastern zones 3A and 3D and Rescue (for sawfly control only) for 1A, 1B, 2C, 2D and 2F in Western and Southwestern Saskatchewan. Regent is no longer advised in 3A, but continues in favor for 2A, 2E, 3B, 3C and 3H.

Ajax oats is suitable for all parts of Saskatchewan except 3D, 3F, 3H, 4A and 4B—northeastern and north-



TAKES NEW POSITION

E. E. Brockelbank, professor of agricultural extension at University of Saskatchewan, who was appointed director of the provincial government's Agricultural Representative Service, on January 1, succeeding Maurice E. Hartnett, who has been promoted to deputy minister of the department following retirement of Dr. F. H. Auld, after 30 years as deputy minister.

Well Kept Records Tell the Story

RECORD keeping was one of the most essential points in successful farm management, the farm short course at Calgary was told by H. R. Stucky, extension economist of Montana State College.

Surveys in Eastern Montana showed that in some cases the farm wife's chickens and turkeys were bringing in more profit than the rest of the farm. Proper records would enable farmers to determine which operations were profitable.

Mr. Stucky suggested that planning for efficient use of family labor and hired labor would help to increase farm returns. He advocated father-son partnerships to stimulate the interest of youngsters in farming.

Fire is no respecter of persons at any time and precaution is the best safeguard.

ern zones where Exeter yields higher. Exeter gets approval for all zones except 1A, 1B, 2C, 2F and 3H. Victory is advised only for 2F and 3H.

A feature of the Saskatchewan barley recommendations is that Prospect, Rex and Newal have been dropped. Titan is approved for 1A, 1B, 2A, 2C, 2D, 2E and 2F. Plush is suitable everywhere except in 1A, 1B, 2C, 2F and 3H. The new malting variety, Montcalm, is recommended for the park and forest districts, 3A, 3B, 3C, 3D, 3E, 3F, 3H, 4A and 4B. Regal is advisable only in zone 3H; Hannchen only in 3D and 3F.

Among flax varieties, Royal is recommended in all zones except 3E, 3F, 3H and 4B, in Northern Saskatchewan, while the earlier Redwing is advocated for six northern zones—3B, 3D, 3E, 3H, 4A and 4B.

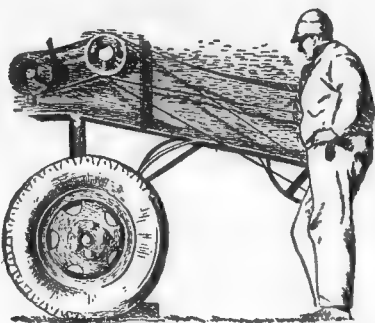
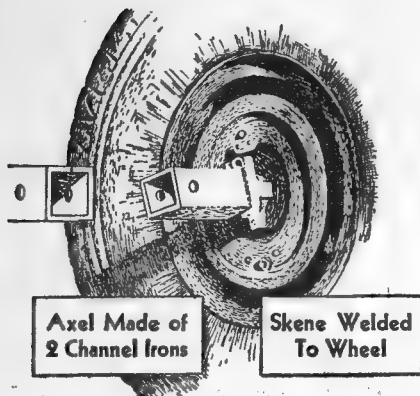
Descriptions of many of the varieties named above are included in the list of recommended varieties for Alberta which appears in this issue.

IDEAS

from a Neighbor's Farm

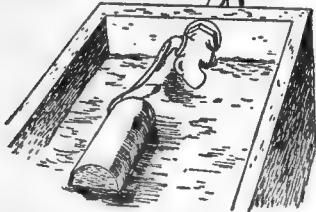
Safeway's Farm Reporter keeps tab on how farmers make work easier, cut operating costs, improve crop quality. Safeway reports (not necessarily endorses) his findings because we Safeway people know that exchanging good ideas helps everybody, including us. After all, more than a third of our customers are farm folks.

ALL HIS FARM ROLLS ON RUBBER NOW!



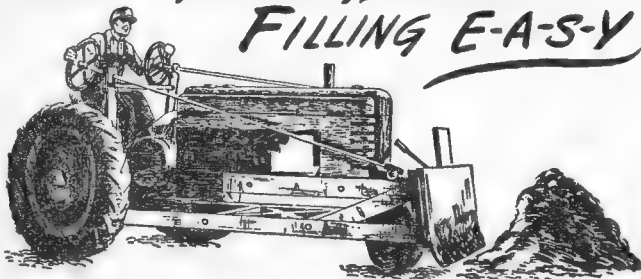
G. E. "Bud" Anderson of Vernon, B.C., has devised a system of interchangeable auto wheels to replace the standard equipment of iron wheels on moveable farm machinery. He can move his equipment faster and with less wear and tear, he says, on rubber. An example is his 28x46 International Separator (threshing machine) using the cast skenes from the wheel hubs. These he cut off to the length desired, welding each to a Ford or Chevrolet front end wheel assembly (retaining the brake drums on the wheels) and driving out the king pins and discarding the axles on the separator. To replace the separator axles he used channel irons, cut to the length of axle wanted and firmly fastened by bolts. The skene slips into the channel irons, as illustrated, is locked on with bolts and the machine is ready to move after the process is repeated on each wheel. Total time to affix or remove four wheels—half an hour.

WATER A FOR MR. PORKER PIG



Here is the way A. Coles of Strasbourg, Sask., waters his hogs and cattle. Water from a reserve tank is piped to various troughs, all of which have taps governed by floats for turning the water on and off. The float is a one pound Empress jam tin fastened to an arm of the tap. This keeps ample water in the troughs constantly.

MAKES GRADING, DITCH FILLING E-A-S-Y

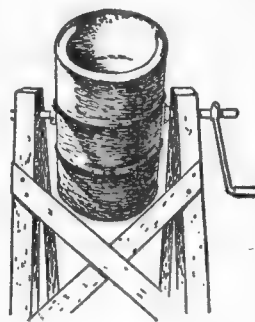


Here's a home made grader and ditcher that J. D. and G. C. Heptonstall of Mission City, B.C., built for their model "H" John Deere tractor. The detachable frame is largely 3x4's, with a 4'x12" steel plate mounted on planking for the blade. The lift is the steering mechanism from a 1928 Chevrolet. "We use it constantly," the Heptonstalls say, "for ditch filling, light grading and loading gravel on trucks from a ramp."

2 "EASY TO MAKE" BACK SAVERS

from the farm of Kenny Brothers, St. Germain, Manitoba

(A) WET MASH MIXER

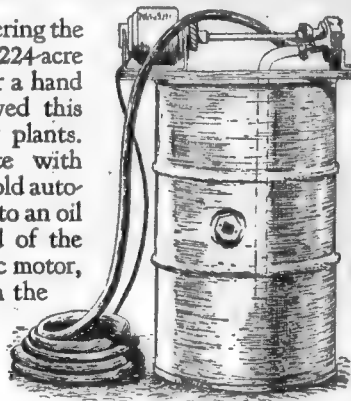


To save mixing wet mash for chickens by hand, the Kenny Brothers solved the problem this way. They washed out a small oil drum, ran a shaft through it, put an automobile crank on one end of the shaft and erected it all on a stand. Water is put in, followed with cod liver oil and feed. A few half-turns of the handle and the mash is mixed and ready for use. To keep the mash mixture from splashing out, a

wooden tension cover with top handle can easily be made.

(B) GREENHOUSE WATER SPRINKLER

With the problem of watering the greenhouses on their 224-acre farm getting too large for a hand job, the Kennys conceived this idea for sprinkling their plants. An oil pump, complete with shaft, was taken from an old automobile motor and bolted to an oil drum, attaching one end of the shaft to a 1/2 H.P. electric motor, driven by electricity from the greenhouse. Where it took 1 1/2 hours to water one greenhouse, they now do the job in 15 minutes.



A MODERN SAFEWAY IDEA IS ON-THE-GROUND BUYING



Safeway men who buy farm produce for Safeway Stores maintain offices in the areas where the produce is grown. In local telephone directories these Safeway buying offices are listed as "Easwest Produce Company."

These men are specialists and they "live" with the crop—keep in close touch with local growing conditions, and they know local grower problems. Safeway buyers do not collect or accept commissions, allowances or brokerage fees. They pay the going price or better, never offer a price lower than a producer quotes.

- Safeway buys direct, sells direct, to cut "in-between" costs.
- Safeway buys regularly, offering producers a steady market; when purchasing from farmers Safeway accepts no brokerage directly or indirectly.
- Safeway pays going prices or better, never offers a price lower than producer quotes.
- Safeway stands ready to help move surpluses.
- Safeway sells at lower prices, made possible by direct, less costly distribution . . . so consumers can afford to increase their consumption.

SAFEWAY—the neighborhood grocery stores

What KIND of Life Insurance do I need ?



ENDOWMENT INSURANCE

Pays a lump sum or a regular income after a stated number of years or at prior death. Provides a greater element of saving than Whole Life or Limited Payment Life Insurance.



LIMITED PAYMENT LIFE INSURANCE

Like Whole Life Insurance, but with premium payments concentrated within a definite number of years, usually 20 or 30. Useful to those who wish to complete payment of their insurance protection while they are working.



TERM INSURANCE

Useful in meeting a temporary need for insurance protection. Low premiums, but usually without cash or loan values.



RETIREMENT INCOME WITH INSURANCE

Protection plus personal security. Runs for a specified term of years, then pays off in a regular income. Main benefit: Income for self.



WHOLE LIFE INSURANCE

Permanent protection of dependents at lowest cost. Premiums go on for a lifetime but so does the protection. Replaces income terminated by death of wage-earner—provides funds to clear off debts, mortgages, etc.

THERE ARE MANY KINDS of Life Insurance policies, suited to many needs, but they have all grown out of the basic and universal desire for family protection, security and independence. Life Insurance has grown through the years because more and more people found it offered the best means of immediate protection and at the same time the best system of regular saving which has been devised.

Look at the several kinds of life Insurance policies outlined here, then consult with a trained Life Insurance agent. He will help you provide for anticipated needs by means of a policy or combination of policies best adapted to your circumstances and requirements.

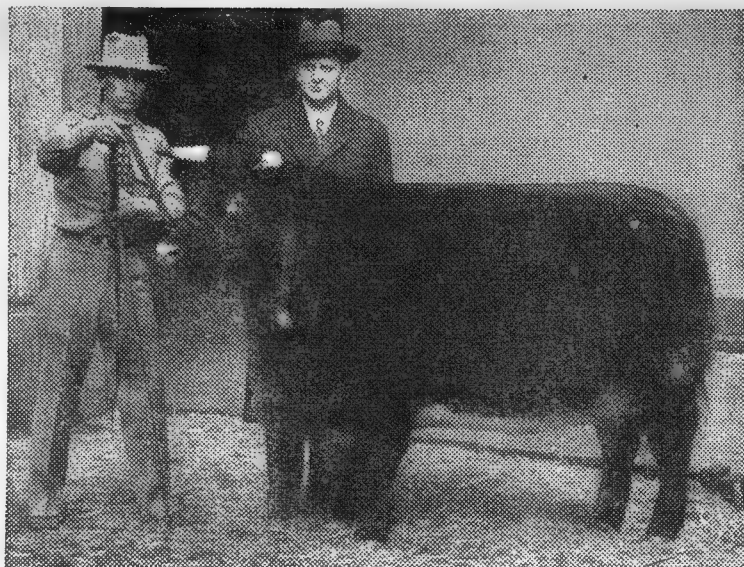
You have freedom of choice, too, in selecting the company to be entrusted with your savings. There are more than 40 companies in Canada; some are Canadian, some British and some United States companies.

On the record of Life Insurance Companies in Canada, you can pick your plan, your kind of policies, and your company with perfect confidence.

A message from the Life Insurance Companies in Canada and their agents.

It is good citizenship to own LIFE INSURANCE

LF-846



CHAMPION CHICAGO ENTRY

Royal Jupiter, grand champion steer at the recent Chicago International Livestock Exposition, raised and exhibited by the Oklahoma A. & M. College sold at auction for the record International price of \$10.50 a pound, a total of \$14,385. Seen at left is Orville Deewaal, who exhibited the 1,370-pound Shorthorn, and, right, Russell A. Firestone, director of the Firestone Tire and Rubber Co., who made the top bid. Royal Jupiter was a grandson of Duke of Killearn, the outstanding bull from the herd of Claude Gallinger, Tofield, Alta., sold some years ago by Mr. Gallinger to the Allen Cattle Co., Colorado Springs, Colo.

Matthews' Angus Breeding Reflected In Chicago Winnings

THE fame of Aberdeen-Angus cattle from C. C. Matthews' Highland Stock Farm near Calgary is spreading over the continent. Mr. Matthews recently received a letter from Marcus Snyder, Billings, Montana, with a newspaper story about the Angus cattle which won 2nd and 4th carload prizes at the International Livestock Show, Chicago, in December. "These steers were sired by Highland Stock Farm bulls I bought from you," wrote Mr. Snyder. The cattle were exhibited by Luman Kemmis and Sons, Prophetstown, Illinois, who purchased them as calves from the Snyder herd. The steers, which weighed over 1,100 pounds and had a dressing percentage of 65.21, were described by the New York packers who bought them as "the best cooler beef" they ever had killed.

Twenty Aberdeen-Angus heifers are being purchased from Mr. Matthews as the foundation for a new herd, in Ontario. The new herd will be developed on a large farm established by J. S. D. Tory, a Toronto lawyer.

...

Dehorn Calves Early in Life

WHEN animals were wild it was necessary for them to have horns to protect themselves. Unfortunately many cows never fit into civilization. Removing the horns gives them less opportunity to injure their associates, and the time to take off the horn is when the calf is quite young.

Get at the job of dehorning as soon as the horn button can be found. Clip the hair around this tiny bump or bony tissue and place a ring of vaseline on the lower side above the eye to prevent any drainage into the eye itself. Roughen gently with sandpaper the spot where the horn is starting. Moisten a stick of caustic potash and rub briskly until the skin is a distinct pink.

Caution: Use gloves on your hands and let no liquid from the caustic stick get into either your eyes or the calf's eyes.

Will Speed Herd Accreditation

OF considerable importance to the success of the Calgary Spring Bull Sale is word received in mid-January that permission has been obtained from Ottawa to forward applications from breeders for accreditation of their herds. Lack of sufficient veterinarians in recent years has hampered the inspection work necessary before herds can become accredited, but it is understood that a number of additional men have now become available to carry on this work.

J. Chas. Yule, secretary of the Alberta Livestock Associations, in announcing this improved service, said it was hoped many breeders would take advantage of it. In order to sell cattle for export to the United States the animals must come from an accredited herd. Applications to have a herd accredited should be sent as early as possible to the health of animals branch, department of agriculture, Ottawa, specifying the location of the land and the number of cattle in the herd.

In view of this improved service, it is expected that larger numbers of American buyers will attend this spring's bull sale in the assurance that they can now purchase enough suitable animals to make their trip worth while.

...

Class for Five Steers Calgary Show Feature

A SHOW and sale of fat steers in lots of five is to be an innovation at the Calgary bull sale, March 17 to 21. The new steer classes will be in two divisions, one for animals over 1,100 pounds and one for animals under that weight. The baby beef contests for junior exhibitors and the open fat stock classes will be held as usual.

A considerable number of purebred females of high quality are also to be sold.

Four auctioneers — Baker of Cayley, Boyce of Olds, Damron of Bentley and Durno of Calgary—will be at the block to sell the 1,100-odd bulls, as well as the fat stock and females, at this popular event.

News Items Of Interest

Renegotiation of Dominion-provincial tax agreements were concluded by New Brunswick, Manitoba and Saskatchewan in mid-January and other provinces were expected to make agreements at an early date.

Discrimination against Chinese immigration into Canada will be abolished early in the 1947 session of Parliament, the government has announced.

The Canadian Sugar Beet Producers' Association will ask the Dominion government for 5,000 immigrant workers.

On January 22, India's Constituent Assembly unanimously affirmed its intention to proclaim India as an independent sovereign republic. The minority Moslem League is boycotting the Hindu-dominated Assembly.

Deportation of Japanese from Canada was halted by the Dominion government in January. Assistance still was offered to any Japanese who wished to return to their homeland.

About 100 Hutterites from Milford colony near Raymond, Alta., moved recently to Montana.

The 1,200-acre Hammond ranch in the Windermere Valley has been sold by W. Heap Holland of England, owner for more than 20 years, to Fritz Trachsel, Windermere, B.C.

The Alberta Progressive Conservative Association decided at its Edmonton convention in January not to re-enter provincial politics at present.

David Crowchild, well-known chuckwagon driver at the Calgary Stampede, was elected as chief of the Sarcee Indian tribe near Calgary. He succeeds Chief Joe Big Plume who died November 1.

Death toll of at least 68 in air crashes within three days near the end of January highlighted a long series of recent aviation disasters throughout the world.

During 1946, \$32,740,595 of livestock was sold at Calgary stockyards and packing plants. Approximately \$22 million of this amount was in cattle and \$9 million in hogs. Cattle marketings declined 4.27 per cent and hog marketings declined 33.4 per cent, compared with 1945.

Steady progress on the Peace River land settlement plan for veterans was reported by Hon. N. E. Tanner, Alberta Minister of Lands and Mines, early in the New Year. It was estimated that at least 30,000 acres will have been cleared of heavy brush by spring. It was thought possible that some veterans would be located on the land this summer and would seed winter wheat in the fall.

Gen. George C. Marshall, former United States Army chief of staff, became Secretary of State in January. He succeeded J. F. Byrnes, who resigned because of poor health.

J. Nolte, whose farm is a show-place of the Stettler district in Alberta, has been appointed superintendent of the Mexican government's agricultural work.

WESTERN FAIRS

DATES for the 1947 summer fairs and exhibitions in both "A" and "B" circuits were set as follows at meetings held in Winnipeg in mid-January:

CLASS "A":

Brandon, June 30 - July 4.
Calgary, July 7 - 12.
Edmonton, July 14 - 19.
Saskatoon, July 21 - 26.
Regina, July 28 - Aug. 2.

CLASS "B":

Moose Jaw, June 30 - July 3.
Estevan, July 4 - 5.
Weyburn, July 7 - 8.
Portage la Prairie, July 10 - 12.
Yorkton, July 14 - 16.
Melfort, July 17 - 19.
Lloydminster, Sask., July 21 - 23.
Vermilion, July 24 - 26.
Vegreville, July 28 - 30.
Red Deer, July 31 - Aug. 1.
North Battleford, Aug. 4 - 6.
Prince Albert, Aug. 7 - 9.

A purebred bull and nine cows owned by Glen Hunter, Meeting Creek, Alta., drowned when they wandered out on thin ice.

The federal subsidy on crude oil imported into the three prairie provinces from the United States was removed on January 13. The subsidy was believed to have amounted to two or three cents per gallon of gasoline. No immediate price rise resulted, as controls continued at previous levels. However, it was generally expected that price ceilings would be removed or that some increase would be sanctioned by April 1, when the three cents per gallon federal tax comes off.

An enraged bull on the farm of Mrs. Jennie Anderson, near Sangudo, Alta., gored two horses to death but was shot before it harmed any person.

The Ford Motor Company reports that it will produce a completely new, low-priced automobile in 1948.

McNeill and Rippin Share Top Honors at Edmonton Fur Show

GRAND champion sweepstakes fox pelt award went to P. D. McNeill, Edmonton, at the fur pelt show in the capital city early in January. A. Rippin, Widewater, took the corresponding award for a mink pelt. Walter Craig, Wetaskiwin, had the reserve championship in the sweepstakes class for foxes, the grand and reserve platinum pelts and the champion platinum silver entry. McNeill showed the champion white face silver fox pelt.

H. J. Montgomery of Wetaskiwin, president of the Alberta Fur Breeders' Association, was another prominent winner. He was awarded champion and reserve ribbons for silver foxes and reserve for white face silver and platinum silver fox. Various trophies went to Frank Schreffel, Calgary; Mount Cavell Fur Farm; C. Rayner, Edmonton; D. H. Byers; L. B. Cameron; Mrs. R. Kerr; A. C. Cameron, Hardisty.

Prize ribbons went to Harold Farness, Oshat; Oscar Lee, Faust; Gorham Fur Farm; Caine Fur Farm, Edmonton; Irene Modill, North Edmonton; M. Carl, Faust; Ray Hartwick, Wetaskiwin; J. J. Barr, Edmonton; and James Herron, Edmonton.

This was described as the best pelt show ever held in Alberta and as one of the leading exhibitions in Canada.

Growth Reported By Manufacturers Life

In its 60th annual report, the Manufacturers Life Insurance Company states that the outstanding features of the year 1946 in the life insurance business were the volume of new business effected and the gain in business in force. The Company's new business amounted to over \$154 million and gain in business in force was over \$116 million. Total business in force in this company now amounts to \$969,800,000, there being over \$225 million of business in the United States, some \$300 million of business abroad and over \$425 million in Canada.

Assets under administration for the fulfilment of contracts are over \$330 million and surplus funds of the company total \$16¾ million.



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STRAWBERRY**
BARON SOLEMACHER. This greatly superior variety produces the largest berries from seed of any variety. Flowers eight weeks from seed. Easily grown. Does not have runners but produces great quantities of finest fruit throughout the season. Delicious flavor and aroma of wild strawberries. A showy pot plant and fine for garden. Plant now. Order direct from this advertisement. (Pkt 25¢) (3 pkts 50¢) postpaid.

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CHICK TABLETS

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STOP PICKING
WITH

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PIC-NO-MOR

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Reports...*

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In this, the greatest year of growth since incorporation, people in all walks of life purchased 48,991 policies through qualified representatives of the Manufacturers Life. The 365,544 policies now in force in the Company average \$2,653 each, giving a total protection of \$969,884,256 to families in hundreds of communities.

Each of these policies has a share in a fund of \$330,143,238 — the assets under administration to guarantee their fulfilment.

60 Years of Service...

For six decades the Manufacturers Life cheques have lifted pressing financial burdens for thousands of beneficiaries and policyowners. Every working day during 1946 \$61,535 was disbursed by the Company for a total of \$19,260,466. Since 1887 the Company has paid a total of \$340,223,884 to living policyholders and the beneficiaries of deceased policyowners.

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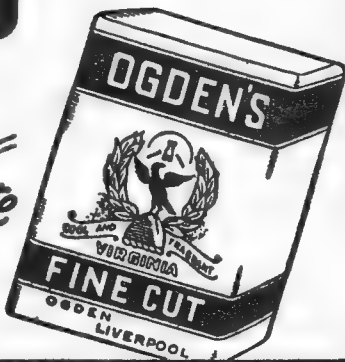
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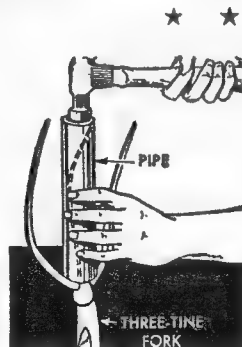
Handy Devices

By Courtesy of The Popular Mechanics Magazine

BOLTS MAKE TAPS FOR SOFT MATERIALS



YOU can make your own set of taps with various sizes of bolts that are found in your workshop. First grind a taper on the end of the bolt at a 5-deg. angle. This should be about $\frac{1}{4}$ in. long but will vary with the length of the bolt, larger bolts requiring a longer taper. When this is done, file two V-notches on opposite sides of the bolt to give the threads cutting edges. Carefully remove any burrs caused by grinding or filing. These taps are suitable for cutting threads in plastics, wood and soft metals.

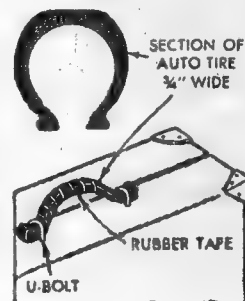


DRIVING PITCHFORK ON NEW HANDLE

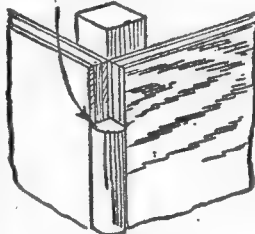
DRIVING a three-tine pitchfork on a new handle is simplified if there is a length of large-diameter pipe at hand. Place the fork on the handle and slip the pipe over the center tine. Then hammer the pipe to secure the fork in place.

EMERGENCY HANDLE ON SUITCASE

IF you've broken the handle on your suitcase, here's an emergency repair that is sturdy and long-wearing. Cut a section of an auto tire, making it about $\frac{3}{4}$ in. wide. Wrap it with rubber insulating tape to make a smooth grip. Then spread it so that it has the proper shape and fasten to the suitcase with U-bolts. Large washers should be used on the bolts so the nuts will not pull through the case when it is heavily packed.



QUARTER ROUND

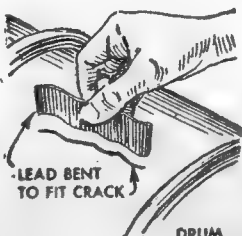
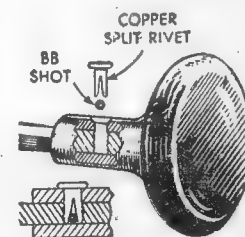


ROUND CORNERS FOR PLYWOOD BOX

WHEN making a plywood box or other rectangular object, the corners may be rounded by assembling the plywood pieces to form a joint as indicated and then inserting a strip of quarter-round molding into the joint. Both the plywood and molding, of course, must be nailed or screwed to a corner strip.

FASTENING FOR DOORKNOBS

SINCE the set-screws that hold doorknobs have a tendency to work loose and eventually drop out, one person overcame this difficulty by using a copper split rivet and a BB shot from an air rifle. The shot is dropped in the hole and the rivet tapped down over it until the head is flush with the doorknob handle. The BB spreads the rivet into the threads of the handle.



LEAD STRIP FIXES CRACK IN DRUM

IF you have an oil drum or other metal container that has a crack, it can be repaired quickly using a strip of lead. First bend the strip so it will slip into the crack. After inserting it, flatten it on both sides to seal the opening. If the container is a closed one, the strip could be flattened on one side only.

3¢ A BUSHEL

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Yes, 3¢ a bushel is mighty cheap insurance against smut dockage. That's all it costs to protect your wheat against seed-borne bunt or stinking smut—to cut losses from root rot and smut dockage. Disinfect seed wheat with CERESAN. Use CERESAN to control loose and covered smuts of oats—barley stripe, covered and black loose smuts of barley. Take no chances. Treat all your seed grain with CERESAN.

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Provincial
TREASURY BRANCH

POINTERS ON SELECTING BEST COCKERELS FOR BREEDING

★ ★ ★ ★ ★

THE male bird is even more important than the female in the poultry breeding flock, for one cockerel sires as many progeny as 15 to 20 hens produce. However, most poultrymen are less familiar with the selection of good breeding males than with the selection of good laying pullets. A few guides for the selection of cockerels are outlined by a practical poultry breeder, Dean R. Marble, writing in the Poultry Supply Dealer and the National Poultry Digest.

One of the basic requirements of a breeding cockerel is masculinity. An effeminate type cockerel is not difficult to detect. The comb wattles, and other secondary sex characters are under-developed, especially in comparison with those of other males of the same age which display strong masculine traits.

Effeminate males are apt to be flat-breasted, long-legged and angular in appearance. They usually lack the ruggedness and driving force of masculine type males. There is nothing halfway about masculinity. Either it is present or it is lacking.

Next to masculinity in importance in selecting breeding cockerels is head type. Comb size and type, eye color and shape, ruggedness of the head, head balance, length and attachment of the beak, and color of the earlobes should all be considered.

Comb size will vary with the breed and strain. Leghorns naturally carry larger combs than Rocks, Reds or New Hampshires. Of the last three breeds mentioned, the New Hampshires will usually carry the largest comb.

Excessive size of the comb is always undesirable. Lopped combs, or any tendency in that direction, should be criticized severely in males five to six months old because such combs will be down over the eye within a few months.

Few cockerels will show perfect

combs. Consequently all breeders must have an ideal comb in mind and select those birds that approach most closely this ideal. The presence or absence of a needed point on a single comb is minor in comparison to straightness of the comb or its texture.

Most breeders prefer a smooth, waxy type of comb over a coarse, sandy-finished comb. A fault the writer particularly dislikes in single comb Leghorns is the tendency of the blade to tilt up in the air instead of following the curve of the neck or even holding a position horizontal with the ground. It is essential that a single comb be free from side-springs and that the comb type be true to the breed or variety.

THE ideal breeding cockerel five or six months of age should have a clear, reddish-bay eye with a sharply defined and perfectly round pupil. Cockerels showing a tendency toward a gray eye, or any evidence of a broken pupil have no place in a breeding pen.

New Hampshires and Rhode Island Reds may show a tendency toward gray eyes, but the pupils will be well defined and no evidence of disease will show up in the flock. The American Standard of Perfection specifies a bay eye instead of a reddish-bay eye for New Hampshires.

Ruggedness of the head is essential, but do not confuse ruggedness with coarseness. Rugged heads will usually show a short, rather heavy beak that is strongly attached to the head proper. Rugged heads will also usually have good balance; that is, a combination or blend of all the various parts, which gives the impression that the head is well proportioned. The head should be neat and trim, but not at the expense of ruggedness.

When the females tend to run to rather high refinement, Mr. Marble prefers exceptionally rugged males for mating purposes, but when the females run coarse, the breeder should attempt to balance this characteristic with high refinement in males.

Isolate Birds Showing Symptoms of Roup

★ ★ ★ ★ ★

ROUP, common in poultry flocks at this time of year, can be controlled by eliminating drafts, isolating and treating the sick birds and thoroughly cleaning and disinfecting the poultry house, points out Dr. G. S. Weaver, extension veterinarian at South Dakota State college. Roup is a contagious disease which attacks the membranes covering the eyes, the sacs below the eyes, the nostrils and the windpipe. It can be brought into the flock by new birds and the infection can live over in the poultry house from one year to another.

The exact germ which causes the disease has never been discovered, but the discharge from the nostrils carries the infection and contaminates the feed and water and carries the disease to other birds. This makes it important to isolate sick birds immediately and follow through with cleaning and disinfecting. Exposure to cold, dampness and drafts also aids the development of roup. Dr. Weaver pointed out.

At first roup acts like an ordinary cold but later the discharge from the nostrils becomes thick and has an offensive odor. Breathing becomes difficult and many times the eyes are

swollen shut so the birds can't see to eat or drink. They sit in a semi-conscious condition, become exhausted and many die in 8 to 10 days.

Separate the sick birds and treat their mouths and nostrils with an antiseptic solution. The bird's head may be dipped in a solution of boric acid or a weak solution of permanganate of potash. Sometimes it is necessary to open the swellings under the eyes with a sharp knife and let the contents drain out.

Another way to help the sick birds is to heat a gallon of water until it is boiling rapidly, add a teaspoonful of oil of eucalyptus and let the fumes spread over the birds in the evening after they are roosting.

A good precaution is to keep the poultry house dry and clean, and frequently disinfected with a 3 to 5 per cent solution of dip. It may also be necessary to destroy some of the more badly infected birds.

Check the barn for hazards — loose steps, cracked floors, unprotected loft doors and hay chutes and poor light.

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During the last few months there has been an ever increasing demand for good bred and open sows.

Saskatchewan farmers having high quality bacon type pigs for sale could interest prospective buyers by making known to farm neighbors, local shippers, agricultural representatives and the live stock commission, Regina, the number available and selling price.

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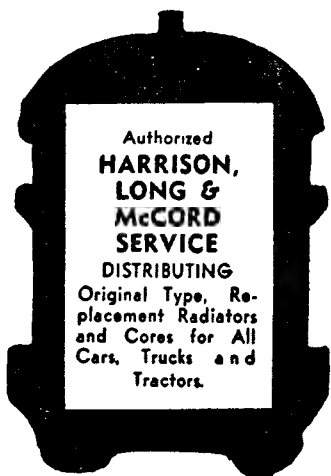
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Editorials by PRACTICAL OBSERVERS

(Continued from page 14)

sured for the region north of the Red Deer river, and in areas to the south and east. This section of Southern Alberta is certain to increase in population and productiveness.

The responsibility of determining the site of the proposed school lies with the provincial government. The department of agriculture has already established important developments here, which fit in naturally with the requirements of such a school. Brooks has a strong case in this matter.—*Brooks Bulletin*.

★ ★

JAMES Gardiner's 1947 agricultural policy is attracting considerable criticism, particularly the ten per cent reduction in wheat acreage and the proposed bonus of \$5.00 per acre for wheat acreage seeded to barley.

1947 Crop Plan Fully Justified

Looking at it from the standpoint of world humanity, the reduction in wheat acreage, even when replaced by a corresponding increase in the coarse grain acreage; is nothing short of a crime against starving humanity. But for that matter so would any curtailment of production, including the reduction in hours of work. On the other hand from the standpoint of Canadian agriculture the move seems wise and proper, designed to prevent suffering on the part of the Canadian farmer.

Since James Gardiner is in office not as a world humanitarian, but as the custodian of the future welfare of the Canadian farmer, we believe his action sincere and fully justified.

Under the old system of supply and demand controlling prices little effort was made to control the individual farmer. While it took months and often years to make any marked change in production, prices were allowed to rise or fall over night, with the result that the farmer usually found himself with huge surpluses, or with nothing to sell when prices were high.—*Pincher Creek Echo*.

★ ★

THERE are few people in this world today so fortunate as those of us who live in Central Alberta. This goes for weather, for scenery,

Money in Grain On the Hoof

for living conditions, for friendly communities, for healthy and happy men, women and children. Our economy rests absolutely on the farmers, and with good prices ruling for farm products, our continued prosperity is assured. There seems to be rather better than a fair prospect that such prices will be maintained for a considerable period by the Federal government, by means of overseas sales of wheat and meat. The majority will have little fault to find with such a policy which provides food for the people of Britain at a fair price, and gives the Western farmer some assurance of a fair return.

In 1947 the farmers of this district will be concerned with growing more barley and less wheat, and many of them will extend their hog-raising operations or re-enter this field. It might be accurate to say, for this part of the country, that over the long pull the farmer who ships his grain on the hoof comes off better than his

Conservation of Waste Water Essential to Develop West

"THAT six million tons of water per day flowing down the South Saskatchewan river doing practically no good, is a public waste," declared John R. MacNicol, M.P. for Toronto-Davenport, in the course of another of his western tours for promotion of irrigation.

"With water conservation in Alberta, there is no reason why there should not be seven or eight sugar beet factories and several alfalfa processing plants in this province," he said.

Speaking at Medicine Hat, Mr. MacNicol predicted a doubling in size of that city within 10 or 15 years, with 235,000 acres in the district under irrigation.

He urged all persons interested in irrigation to form an association to support the work of the Prairie Farm Rehabilitation Act, similar to the National Reclamation Association which supports the government Bureau of Reclamation in the United States.

Mr. MacNicol, recently returned from an inspection of irrigation works in Colorado, Wyoming and Nebraska, illustrated his speeches with colored slides taken in that region. He pointed out that the 4,192,000 acres of irrigated land in the United States produced \$435 million of crop in 1945. This was \$30 million more than the total cost of constructing the irrigation works, he said.

Two other prominent champions of western irrigation appeared in the persons of Dominion External Affairs Minister St. Laurent and Dominion Minister of Agriculture J. G. Gardiner. Mr. Gardiner spoke at the West Coast and Mr. St. Laurent addressed the Canadian Club at Montreal. They advocated bold irrigation and industrial expansion in Western Canada to develop the wealth-producing and population-supporting potential of this great area.

Important Dates On The Calendar

Feb. 4 - 6 — Regina — Saskatchewan dairy convention.

Feb. 4 - 6 — Toronto — annual meetings of national livestock associations.

Feb. 11 - 13 — Calgary — Alberta dairy convention.

Feb. 18 - 19 — Lethbridge — agricultural short course.

Feb. 26 - 28 — Edmonton — agricultural short course.

March 6 — Brandon — horse sale.

March 17 - 21 — Calgary — annual spring bull sale.

March 20 - 21 — Lethbridge — Horse sale.

March 25 — Red Deer, Alta. — Horse sale.

March 26 - 28 — Lacombe, Alta. — Horse sale.

March 31 - April 1 — Stettler, Alta. — Horse sale.

April 2 - 5 — Calgary — Horse sale.

April 30 - May 3 — Calgary — Light horse show.

GERMINATION FOUND POOR IN WEATHERED WHEAT

★ ★ ★ ★ ★ ★ ★

GERMINATION tests are running very low on samples of wheat which were exposed to severe weathering during the past harvest season. From results reported to the Dominion Experimental Station at Swift Current by a number of farmers, it appears that samples which are grading as high as 3 or 4 Northern are in some instances showing a germination test as low as 60%.

It will be impractical in many cases to replace this wheat with grain showing a higher germination. In fact, some wheat grown for the seed trade this season is grading number 3 seed, the station reports, owing to the germination being between 67% and 75%.

It will, therefore, be seen that wheat which is suitable in other respects may have to be used for seed even though the germination may be down. It is obvious that some increase must be made in the rate of seeding or poor stands will result.

A little calculation shows that with wheat germinating 75% it will be necessary to use 20 pounds extra for every bushel of seed to secure a full stand, while in the case of wheat germinating 65% it will be necessary to use an extra 30 pounds for every bushel.

These allowances are calculated to bring the stand up to the equivalent of a full 100% germination, but they are not excessive as they do not take into account the fact that a number of weak seedlings are usually found in the samples of low germination.

Tests of germination may be arranged through most of the grain elevators, or by the plant products division, Federal Building, Saskatoon. Doubtful samples should be tested and due allowance made in saving back seed for spring.

• • •

Stromberg Buys Good U. of A. Angus Bull

Enoch Stromberg & Son, New Norway, Alta., have recently acquired a new bull from the University of Alberta to head their small but select herd of breeding cows at Woodland Farm.

The bull, Eston Repeater 2nd, was bred by S. J. Henderson, Lacombe, and is sired by the good breeding bull, Eston Elation Quality from the Hopley herd.

A woman posed for a snapshot in front of the fallen pillars of an ancient temple in Greece.

"Don't get the car in the picture," she said, "or my husband will think I ran into the place!"

"When I'm out here in these hills, mused the city man, "I realize the fact that half the world doesn't know how the other half lives."

"Humph," snorted a native, "that ain't so in this neighborhood."

He took her to the movie.

And when the lights were low;

He whispered softly in her ear,

"Good gosh, I've seen this show!"

The customer handed the cashier of a cafeteria on his way out a slip of paper with the number 1004180 on it. That satisfied the cashier, who let him pass without paying. Why?

Well, it reads: "I owe nothing for I ate nothing."

Aunt Mary: "And what did Daddy say when you told him you had won first prize for dictation?"

Bobby: "He said, 'Well, well, you're getting more like your mother every day!'"

"Madam," said the fortune-teller, "you should be very, very happy. A nobler and a handsomer man than your husband you have yet to meet!"

"How absolutely thrilling! But when?"

Crabs are people who have no backbone and make up for it with a hard shell.

Rural magistrate: "I'll have to fine ye a dollar, Jeff."

Jeff: "I'll have to borry it, off ye, Jedge."

Magistrate: "Great snakes! It was only to git the dollar that I was finin' ye. Git out! Ye ain't guilty, anyway."

Three times he made his way to the ticket window to bet on Bluebells in the fourth race. On the fourth trip an observer tapped the better on the shoulder.

"Brother," said he, "I wouldn't bet all that money on Bluebells. He won't win."

"Yeah?" said the other, I own Bluebells and I just know he won't win."

"Um—n," was the thoughtful response. "Well, all I can is that it's going to be a mighty slow race; I own the other four horses."

"That's a queer pair of stockings you have on, Pat—One red and the other green."

"Yes; and I've got another pair like it at home."

The colonel spotted a cigarette butt on the barracks floor during inspection, and bellowed at a rookie: "Is that yours?"

"Not at all, sir," came the polite answer, "you saw it first."

Bill: That's a nice hat you're wearing, Jim."

Jim: "Yeah. I bought it six years ago, had it cleaned four times, changed it twice in a restaurant and it's still like new."

It was a dark alley in one of the worst parts of the town. Three men were waiting. One of them pulled a slouch hat down over his eyes and said: "D'ya see him?"

Another took a quick peek around the corner. "Yes, here he comes!" he hissed.

The man with the slouch hat picked up a short, thick section of pipe. Another took a heavy wrench and the third grabbed a smaller wrench that was none the less effective in close quarters.

"All right, fellars, let's go," one whispered.

And thus, when the boss got around the corner, he found his three plumb-ers busily at work.

Mary was a very bad riser in the morning, and her mistress thought it was time to stop it.

"Look here," she said, sternly, "every time you fail to get up and I have to cook the breakfast I shall deduct a dollar from your wages."

But the very next morning Mary was late again.

"Look at the clock," reprimanded her mistress; "I've had to come down and get the breakfast myself."

"Well, what's all the fuss about," said the girl, airily. "Ain't I paying you for it?"

You can't go wrong telling the truth, says Don Wilson of the Jack Benny show. Like the farmer who, while mixing the milk and water, told his son, "James, you see what I'm doing here?"

"Yes, father," replied James, "you're a-pouring water into the milk."

"No, I'm not, James. I'm a-pouring milk into the water. So if anybody asks you if I put water into the milk, you tell 'em no. Always stick to the truth, son. Cheatin' is bad, but lyin' is worse."

Dennis was taken to his first harvest festival. Among the offerings of fruit and flowers, the bunches of purple grapes on the pulpit took his fancy.

When the offertory box came round he put in sixpence and said confidently, "Grapes, please."

"SPEEDERBOX"



WHEELLESS TRAILER

The "SPEEDERBOX" is a trailer that is very easily attached to the Ford Tractor, hydraulic attachment, by two small pins. This converts your Ford Tractor into a handy small truck that is easily manoeuvred into inaccessible places.

A minimum of lifting is required to load and unload the "SPEEDERBOX".

ADVANTAGES

The "SPEEDERBOX" has the same clearance as the Ford Tractor when in transport position.

It can be dumped quickly and easily.

It is easily attached in less than 30 seconds.

A stabilizer bar prevents tipping with load in any position.

The "SPEEDERBOX" is the most efficient and economical tractor attachment for every user of the Ford Tractor.



THE ATTACHMENT with 1,000 USES

A NECESSITY—The "SPEEDERBOX" is being used efficiently by: Fruit Growers, Truck Gardeners, Grain Farmers, Livestock Feeders, Dairymen, Poultrymen, Contractors, Nurserymen, Golf Club Tenders, Factories, Ranchers, and Canneries, etc.

Every Ford Tractor owner has his own individual uses for the "SPEEDERBOX".

CONSTRUCTION

The "SPEEDERBOX" is of finest construction, being built of hardwood, or the best grade of wood obtainable, steel reinforced, and completely bolted to stand the hardest use.

Dimensions: 48" long, 34" wide, and 12" high.

The "SPEEDERBOX" has a load carrying capacity of at least 750 pounds under all conditions.

CASH PRICE—
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THOSE discomforting symptoms of Piles — pain, itching or bleeding — now treated privately and conveniently at home. Pile sufferers everywhere are enthusiastic about this Combination Pile Treatment. Mr. Frank Barge took Page's Pile Treatment 10 years ago. Read his recent statement below:



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Just think; it is
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treatments and
have not had a re-
turn of the trouble.
I have told lots of
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very hard to get
people to realize
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Perhaps they are like me; I tried in the drug store but did not get any relief until I found your treatments, which sure was a godsend to me.

I am still working in the smelter and feeling fine. I will be 61 my next birthday.

FRANK M. BARGE

We especially want to send it to those discouraged sufferers who believe their cases to be hopeless. Even the most severely aggravated cases and cases of long standing frequently respond to this treatment. Used successfully for 50 years.

Don't neglect a single day. Write now. Send no money. Simply mail the coupon below today and a free trial will be sent promptly in plain wrapper.

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Breeders' Notes

CHARLES Dixon, Jr., of St. Albert Trail, was elected president of the Alberta Jersey Cattle Club at the annual meeting in Red Deer in January. Vice-president is Charles D. Enman, Wetaskiwin, and the other directors are R. G. May, Calgary; J. A. E. Brown, Balzac; George Black, and Dr. J. E. Bowstead of Edmonton and Thomas Baines, Red Deer. N. Reid Clarke, Didsbury, was elected representative to the Alberta Dairy Cattle Association.

The annual meeting of the Southern Alberta Jersey Cattle Club chose J. A. E. Brown as president, R. G. Lester of Hubalta, as vice-president, and N. Reid Clarke, R. G. May, and Fred Yeabsley of Calgary, as directors.

The Heron ranch, 15 miles west of Kamloops, B.C., which had been operated by the Heron family for 21 years, has been sold to the Kamloops Livestock Company. The property consisted of 26,000 acres of land, 1,000 cattle, 2,500 sheep, and ranch buildings.

Western boars which recently qualified for advanced registry include two from Alberta — Beaver Lad 28X, bred by W. J. Anderson, Sugden, owned by University of Alberta, and Murrayfield IX, bred by W. R. Cornish, Mannville, owned by H. Kristensen, Ponoka; one from Saskatchewan — Qualicum 87Y, bred by McRae Farms, Qualicum Beach, B.C., owned

by P. G. Proctor, Primate; and 2 from Manitoba — Lacombe Sardis 125Y, bred by Experimental Farm, Lacombe, Alta., owned by Experimental Farm, Brandon, and Brandon Beau 7Y, bred by Brandon Experimental Farm and owned by M. J. W. Madge, Virden.

Lord Rodney, Fort Saskatchewan, Alta., owns three of the recently qualified sows, and one sow each are owned by R. M. MacCrimmon, Fort Saskatchewan; Lacombe Experimental Farm; Thos. Gibson, Rumsey, and Roy C. Marler, Bremner, Alta. In Manitoba, Brandon Experimental Farm had two sows qualifying and Dept. of Agriculture, Brandon, and Roy Tolton, Otterburne, had one each. Geo. E. Bennett, Marie Hill, Sask., contributed one of the sows listed as qualifying in the recent advanced registry report.

J. T. Richardson, Sardis, B.C.; J. L. Klein, Didsbury, Alta.; A. D. Saunders, Petittcodiac, N.B.; Charles A. Douglas, Falmouth, N.S., and V. B. Leonard, Clarence, N.S., were elected by mail ballot as directors of the Canadian Guernsey Breeders' Association for 1947. Ontario and Quebec directors will be named at the annual meeting of the association to be held in Toronto early in February. Two cows from the herd of Geoffrey MacDonell, Sardis, B.C., are listed among the highest producers for the breed in Canada in 1946.

CULL TOWARD THE BEST TYPE

WINTER has come upon us this year in no halfway measure and will definitely influence farmers and stockmen who may have short supplies of feed, writes District Agriculturist J. L. Anderson, Medicine Hat. If it is necessary to dispose of cattle it would be wise to do so early, as stock may be in better flesh now than they would be at a later date. In selecting animals for disposal weed out those which are off type and keep only those which possess the most desirable breed characteristics. Selection and culling of your herd now will pay dividends in years to come. Desirable animals will make more economical gains and will always find a ready market.

Your district agriculturist would appreciate you listing your offerings with him as he constantly receives orders for livestock from buyers in other districts. Recently, Mr. Anderson reports, he had inquiries for two carloads of cows and one of either calves or yearlings.

Need Forage Crops In Good Rotation

LEGUME and grass crops were important features in crop rotations designed to bring in maximum returns at present as well as to perpetuate the land for future generations, it was emphasized at the agricultural short course in Calgary late in January. The course was attended by 550 farmers.

The common "grain, grain, summerfallow" rotation was not a rotation in the true sense of the word, declared James Murray, Innisfail. A true rotation must include other types of crops — such as grasses, legumes, and cultivated crops where practical — as well as grain.

For black soil regions, a good six-year rotation consisted of summerfallow, grain seeded to a grass-legume mixture, hay, hay or pasture, grain, grain. On gray soils it was even more important that legumes and grasses be included in the crop rotation, from the beginning. In this connection, Mr. Murray said that the application

of 80 cents' worth of gypsum to gray soil had in some cases raised the alfalfa yield 1½ tons per acre.

Alfalfa, "the king of forage crops", should be grown much more extensively in Alberta than it is, because of its ability to produce a valuable crop while contributing to the fertility of the soil.

H. J. Mather, field crops commissioner, showed a picture of a two-year-old crested wheat plant with 319 miles of root system. This illustrated the importance of forage crops in restoring to soils the fibre content which is necessary if the land is to live for generations. Other slides illustrated the devastating effects on soil of water and wind erosion. Contour farming was advocated by several speakers as another aid in preventing erosion.

J. S. Duncan, C.M.G., of Toronto, president of the Massey-Harris Co. Ltd., also stressed the importance of diversified farming as insurance against the future. While wheat farming might be the most attractive proposition at the moment, he warned that the present strong world demand for wheat was unlikely to continue indefinitely.

Men, Women Over 40 Feel Weak, Worn, Old?

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Does weak, rundown, exhausted condition make you feel fagged out, old? Try Ostrex. Contains general tonics, stimulants, often needed after 30 or 40. Supplies iron, calcium, phosphorus, vitamin B1. Helps you get normal pep, vim, vitality. Introductory size Ostrex Tonic Tablets only 56c. For sale at all good drug stores everywhere.

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Forni's HEIL-OEL LINIMENT — antiseptic — brings quick relief from rheumatic and neuralgic pains, muscular backache, stiff or sore muscles, strains and sprains. Forni's MAGOLO — alkaline — relieves certain temporary stomach disturbances such as acid indigestion and heartburn.

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- ☐ Enclosed is \$1.00. Send me post-paid regular 11-oz. \$1.00 bottle of Alpenkräuter and—extra 60¢ value—trial bottle each of Heil-Oel and Magolo.
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The Farm and Ranch HOUSEWIFE

DEVOTED TO THE INTERESTS OF THE RURAL WOMEN OF WESTERN CANADA

Camping on Sunset Pass

By EVELYN KING

HAVE YOU EVER been on a mountain trip with saddle horses and a pack train and a thirty-mile day to make? There's not a cloud in the sky. The sun beats down unmercifully until you think it's concentrating on you and you alone, and you'd give your last dollar to see a sheltering cloud between you and the sun. You look around at the other riders and their faces all reflect the same weary look that reveals one common thought, "when in the world do we reach camp?" Then, you take a quick survey of the horses. They, too, are drenched with perspiration and certainly show no signs of enjoying the trip.

Such was the day we were headed for Sunset Pass. No one in our party except the Guide knew where it was or just what we would find there; but all through the trip, when we would exclaim over the wild beauty of certain spots he would say, "just wait until you see Sunset Pass." We certainly looked forward with anticipation for our first glimpse of what Guide Herb termed "Paradise".

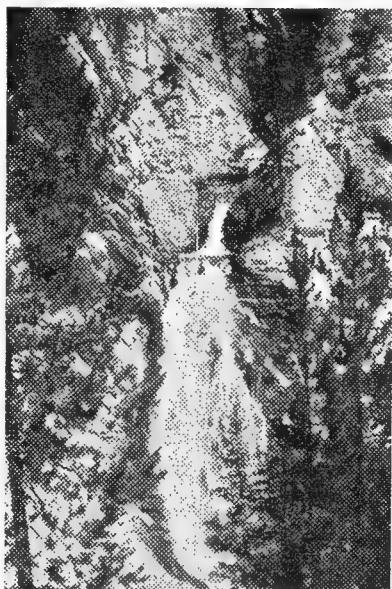
However, we were soon to have our curiosity satisfied, for as we came to a mountain the Guide said, "When we reach the top of this mountain we are in Paradise, up there is Sunset Pass."

As we sat in the saddle and looked up, I think we all had the same thought: "Is it worth the climb." Ten thousand feet above sea level, and the Guide informed us, it would take two and a half, perhaps three hours to reach the top. We had covered twenty-five miles of mountain paths since morning, the sun was scorching hot and the climb looked almost perpendicular.

UP we started, the Guide first, with his lead pack horse following, then myself, and Heather, my girl friend, close behind, a few more pack horses, another rider or so, and last of all the horse wrangler.

The mountain was so steep that we had to go up by switchbacks, and at the end of each switchback the Guide would stop to allow his horse to get its wind, and automatically every horse would stop. The air, going up this mountain was so thin that you could feel the horse's heart pounding, and we kept wondering if we would run out of air on the next switchback.

Our Guide had told us that in fording a river we must always keep our horses headed up-stream and keep our eyes glued to the opposite bank—never at any time were we to look down into the water. In climbing this mountain he suggested it might be better to keep looking ahead, for looking down the drop seemed pretty awesome. We kept wondering what would be the outcome should a grizzly suddenly appear on the scene and stampede the horses. However, the Guide wasn't taking any chances on losing a rider, and told us to kick our foot loose from the stirrup on the side looking down, just in case a horse should make a mis-step the rider could swing loose. I took no chances and rode all the way up with neither foot in the stirrup.



Every once in awhile some one would shout, "hey, Herb, how much farther?" "Just another hour," he would reply, and you had a sneaking suspicion that he was enjoying our discomfort, just a little, of course, for he was really a grand fellow. His first interest was the horses, and then his party of tenderfeet.

JUST as you begin to figure that this mountain has no top, and if it has you don't care a thing about it, and your temper and your nerves alike are about to crack, you relax at least, for here you are. Did Herb say Paradise? I wish I could think of a name that could out-do that one, and I would certainly use it.

Can you picture a valley on top of a mountain, green with grass. Yes, an honest-to-goodness meadow, with an ice-cold stream running through it, and with deer and elk scampering around.

The horses, of course, made straight for the brook, and we all joined in to head them off, for they were much too warm to drink the ice-cold water.

We made camp in a grove of huge spruce trees a short distance from the brook, unpacked the pack horses and

unsaddled the ponies. Away they went across the meadow, free as the wind, no hobbles up here; and did they take advantage of their freedom! Down for a roll, up and running with their tails flying and kicking their heels with delight at this new found playground. Seeing the horses with such renewed energy gives you the feeling that all is right with the world, and who said the last thirty miles was a tough grind?

EVERYONE pitches in getting camp organized, but no one gets very far from the cook. Boy, were we hun-

gry! Don't even care tonight how many ashes are in the stew, and it matters not if the coffee is so strong you can hardly drink it. Does the cook have to shout, "Come and get it before I throw it out?" Oh no, not to this crowd.

You've eaten until you can't hold another bite, and you swear it's the best meal you've ever tasted, and yet, if mother put such a meal before you at home, you'd turn up your nose and wonder just why you didn't rate something better. Not here though, for everything tasted delicious. Dishes are washed up like magic, a job that is really disliked around camp; but when the one who is to dry them holds up the dish towel and asks, "Is this the dish towel or one of the saddle blankets?", well, it's jokes like that that make camp chores a pleasure instead of work, and believe me, there was always lots of kidding around our camp.

Dishes done, we all settle down to enjoy the best time of the day. The camp fire is piled high with logs, for the nights are chilly on Sunset Pass. The tarpaulins that cover the packs carried by the pack horses are spread around the fire, and we all lounge around with a saddle blanket wrapped around us. For a time, there is absolute quietness, as we all sit enthralled at the beauty of the sunset, for viewed from this vantage point, it is something that cannot be described. If an artist, with brush and paint, could put that sunset on canvas, his future would be assured. If you had sat with us in the stillness, with nothing but the night noises around you,

"PARADISE" IN THE ROCKIES

Photos show, above, Sunset Pass in the Canadian Rockies, north of Banff, and below, a cataract tumbling down the mountainside. This is a typical view in the course of the exciting climb to the 10,000-foot high Pass which the author describes as "Paradise" in the Rockies.

(Continued on Page 34)

The Quality Tea
"SALADA"
 ORANGE PEKOE

Good Cooks Prefer

OGILVIE
FLOUR

for ALL their Baking

**NOW I DO ENTIRE
BAKING IN A FEW
HOURS!**



10 minutes after being dissolved in water, New Fast Rising Royal is ready for action.

New Faster Acting Dry Yeast does away with Overnight Baking and Risks!

Save time... save trouble... save work! Speedy, new Fast Rising Royal Dry Yeast puts an end to old-fashioned "slow-poke" baking — turns out feather-light, even-textured bread and rolls in a few hours!

No more setting bread the night before when you're tired—no more disappointing failures because dough spoiled when the kitchen got too warm or too cold during the night. New, Fast Rising Royal Dry Yeast lets you finish up your whole baking in "hurry-up" time... during the day, when you

can watch the dough... and knead at the right time.

Don't worry about the "keeping" qualities of the New Fast Rising Royal, either. It stays full-strength, dependable on your pantry shelf for weeks.

Speed up your baking—try wonderful New Royal Fast Rising Dry Yeast. At your grocer's.



4 packets in each carton. Each packet makes 4 large loaves.

Aunt Sal Suggests

*When visiting at other homes,
And other's methods see,
You are bound to learn some
handy hints,
To help you wonderfully.*

Mrs. A. has what she terms "a breakage fund" in her home. It is run like this: If any member of the family breaks a dish then he or she has to buy one to replace it. Of course this doesn't apply to the baby in his high chair! Mrs. A. declares her family has become much more careful when handling tumblers and cups especially.

Mrs. B. painted the outsides of her odd glass jars a cool cream enamel before applying decal stickers to them. And now these painted glass canisters look so much neater than the clear glass did and a damp cloth removes any streaks of dirt at once.

Mrs. C. finds that vinegar serves as the most suitable hand lotion to deal with the "chaps" when wintry winds blow. And Mrs. C's daughter likes vinegar too as a last rinse when shampooing her hair or go one better and use it as a "setting" lotion for the hair wave.

You could understand why Mrs. D's hair always looks just as nice from the back as the front if you saw the invention she has worked out near her kitchen sink where she usually combs her hair. It is simply a small mirror screwed onto a doorway right behind the person who is viewing herself in the larger mirror. It eliminates twisting and screwing about to see how one looks from behind. Of course the same idea can be worked out in the bathroom or bedroom if there is a convenient cupboard or doorway to which a mirror can be affixed by small hinges.

Mrs. D. is one of the most interesting hostesses one can meet in the whole '52 weeks of 1947. She gives one the sincere impression that she enjoys her guests! She says she approaches this whole business of home-entertainment by taking it for granted that visitors want her company when they come... not just a meal with many frills that necessitate spending much time in its preparation.

Mrs. E. puts the crinkly-edged pop bottle tops to a novel use at her house. She nailed them (crinkly edge upwards) onto a board about two feet square. This was placed at the back-door step for a shoe scraper.

Mrs. F. makes the best gingersnaps of anyone I know. The only difference between her recipe and mine was that she used chicken fat for the shortening. Mrs. F. (and many other women) declare that chicken fat isn't only "just as good" for this popular sweet, but it's a whole lot better.

Light cookies are Mrs. G's specialty and after watching her bake, you'll understand why every batch is perfect. Before patting or cutting them into shape, Mrs. G. bakes about three cookies in a small pan as a sample test. One can soon see whether the dough is too rich or not rich enough and remedy it before baking the rest of the batch.

I wonder what dish you prepared the past month that brought you the most real healthy enjoyment. Well, here is my choice.

CANDIED YAMS

Scrub fairly small sweet potatoes of uniform size and cook in boiling salted water until tender (about 25 minutes). Peel and arrange in greased baking dish. For ten yams make a syrup of $\frac{1}{2}$ cup brown sugar, 3 tbsps. butter and $\frac{1}{4}$ cup water. Boil 5 minutes. Pour this over the yams and bake in moderately hot oven, basting frequently for $\frac{1}{2}$ hour.

Of course if you don't like sweet potatoes... well you don't, but you have my sympathy.

Bye bye for now and every good wish.

Wrist-Band Pin Cushion Big Help To Seamstress

A PIN cushion wristlet is a simple, homemade device that can save the home seamstress much time and trouble, especially in fitting and draping and in measuring hems, says Marjorie Tye, acting specialist in clothing and textiles at Oregon State College. It also is useful in fitting slip covers for furniture and in draping curtains.

In making a dress the seamstress often must reach for a pin fifty times or more. Unless pins are readily accessible, reaching and fumbling for them slows up work and means much unnecessary effort and irritation. A tray or box of pins may be convenient enough for the work that is done on the sewing table, but for fitting and hem work, a pin cushion on the wrist permits the pin supply to move with the worker.

To make such a pin cushion use a round cushion about two inches thick and three inches wide, filled with wool, hair, or sawdust. Fasten this to an elastic band that will slip over the hand and hold in the position of a wrist watch.

A pin cushion attached to the arm of a sewing machine also may be a time-saver, says Miss Tye. When not in use, however, pins keep better in a tight box than in a cushion where they are likely to rust in damp, humid climates.

The Dishpan. Philosopher

I THINK we owe it to ourselves to keep some books upon our shelves that don't just deal with war and such—we maybe study that too much. It seems to me a wholesome tale in good effects can hardly fail. And me, when all the chores are done, I like to read a bit for fun. At stories of all kinds I glance, but what I like best is romance, with nice young lovers going through a lot of worry and to-do, and everything just ending fine according to the old design.

It's weakness pure and simple this—you'd think I was a junior miss. And why my folly I confess I don't quite know.—Some need, I guess, my sense of guilt to share with you who probably are guilty too.

When Making Sauces

TO avoid unnecessary dishwashing when you're making White Sauce, measure the dry ingredients first, and then the fat, with the same spoon. Drop the flour and seasonings into one side of the double boiler top, and the fat into the other. As the fat melts, gradually mix in the flour with a spoon.

2. There's less danger of scorching if you make your white or cream sauce in a double boiler. And it's easier to keep it hot and to reheat it.

3. If a sauce or gravy is too thin, mix some flour and cold water to a smooth paste, using 1 tablespoon flour for every 1½ tablespoon cold water. Add gradually to sauce, stirring constantly, until enough has been added to make sauce of desired thickness.

4. If a sauce or gravy is too thick, stir or beat in more of the liquid used in the sauce, or water. Taste, and add seasoning if necessary.

5. If sauce is not to be served immediately, cover it tightly, to avoid, if possible, a crust on the surface.

6. If a crust does form on the sauce, remove it with a spoon or beat it in with an egg beater.

7. Sauces may thicken on standing; dilute with more liquid if needed.

8. If, in spite of all your care, sauce is lumpy, first try beating out the lumps with an egg beater. If this fails, put the sauce through a fine sieve.

9. To step up the flavor of White or Cream Sauce, add a slice of onion, a stalk of celery, a piece of bay leaf, or 2 whole cloves (or all) to butter when making. Remove before serving.

10. Parsley, mint, and onion come dried and packaged, to add to sauces.

11. Canned tomato sauce can be bought ready to use. Or dilute canned condensed tomato soup with milk or water to saute consistency.

12. For a delicious mushroom sauce, combine 1 can condensed cream-of-mushroom soup with half a soup can of water, and heat.

• • •

A BAR OF SOAP FROM A CUPFUL OF FAT

IN these days of fat and soap shortages it is difficult for most housewives to save the usual six pounds of fat to make soap. However, small batches may be made using leftover kitchen fat not suitable for cooking. The best soap is made from a mixture of hard and soft fats such as tallow with bacon or poultry fat.

Recipe for one bar of soap:—1 cup clean fat; 5 tps. lye; ½ tsp. borax (if desired); ½ cup soft water.

Measure fat, heat until melted and cool to 110 degrees F. (A drop on the inside of the wrist should feel warm but not hot at this temperature.) Stir in the borax if used. Stir fat occasionally to prevent crystals forming. Dissolve lye in water and cool to lukewarm. Pour lye solution into fat slowly in a thin steady stream with slow even stirring. Continue stirring 10 to 20 minutes until soap is like honey. Pouring lye too fast or stirring vigorously will separate the ingredients. If the soap is not thick enough in half an hour and has grease on top set the container in cool water and stir. Pour into molds, cover, and keep warm for twenty-four hours.

Complete directions for making soap may be had from the Home Economics Service, Department of Agriculture, Edmonton.

TAKE CARE OF THE BLANKETS YOU HAVE

EVEN though the supply situation is gradually easing up, it still is not possible to buy as many of the good things as we would like. The smart housekeeper will do everything possible to make the best of what she has.

Fine blankets are one of the treasures of which every housewife is proud. To help her keep those she has in top condition, the following suggestions are offered:

How To Care for Bindings

If the binding is badly soiled, wet it and rub with a thick mild-soap lather. A soft brush may be used gently. Before ironing the binding, pull it straight and press it with a moderately warm iron, except in the case of acetate rayon where a moderately cool iron should be used. Avoid creasing outer edge.

Brush Your Blankets—Keep The Nap Fluffy

Brushing your blankets between launderings removes dust and dirt, and fluffs up the nap so it insulates more effectively. Springy wool fibers do not easily mat down from use or handling, therefore less brushing is ordinarily required to keep the nap soft and fluffy. Brush gently with a whisk broom, always toward the binding, never across the blanket.

Store Your Blankets Carefully

When not in use, store your blankets in a cool, dry place, preferably in a sealed container, to protect from dust, dirt, mildew and moths. If you have a special blanket box or case, or a cedar chest, inspect it to make sure it closes tightly. Garment bags also should be thoroughly sealed. Heavy moth-proof paper is recommended for wrapping wool blankets to be stored. Wrap blanket loosely. Seal wrappings tightly. Never store wool blankets without first having them laundered and thoroughly clean. If blankets are stored in chest or linen closet, avoid piling sheets or other articles on top of them. Give blankets the top position to avoid crushing the nap.

How To Protect Blankets On Your Bed

There's a knack in arranging a blanket properly on the bed and it's vital to sleeping comfort. First, place blanket so as to allow ample tuck-in; then fold in bottom corners and bring

REJUVENATED CURTAINS

HERE are some first-aid hints for curtains that need a lift:

Use tucks to conceal places in curtains that have been pieced.

Trim and rehem the worn edges, or even set on a contrasting ruffle or hem.

Tinting faded curtains gives the room a new appearance.

Mend window shades by using transparent adhesive tape or by pasting matching fabric underneath with household cement.

Turning curtains bottom side up often solves a problem.

Cornice boards, which serve as a valance, covered with gay cretonne can conceal the problem of a curtain that is too short—it just covers the gap.

• • •

When cutting material in which it is difficult to distinguish the right side from the wrong, chalk the wrong side of each piece as it is cut. This saves much mental debate when it is time to sew the pieces together.

folds forward, tucking them in securely. Either let blanket hang loosely or tuck in at sides and end. Even when tucked in tightly, wool blankets allow sufficient freedom of movement for most sleepers.

Avoid twisting and hard pulling when removing blankets from the bed. Loosen tucked-in folds at corners, fold up blankets, and keep from contact with floor to prevent soiling and unnecessary washing.

Important Don'ts

1. Don't iron your blankets — A hot iron may ruin them. Ironing or anything that flattens the blanket also destroys air cells and the blanket's warmth.

2. Don't try to remove stains — Send the blanket to a laundry where approved methods are used.

3. Don't re-dye your blankets — If changing the color scheme of your room, it's better to buy a new blanket than risk damaging one of your present blankets.

4. Don't abuse your blanket in daily use. Remember they are not tightly woven, hard finished fabrics as in many articles of clothing.

FOR SMOOTH ARMS AND LEGS

ROUGH, goose-flesh skin on arms and legs is ugly. Inexcusable, too, because it is simple to correct. Usually, thorough daily scrubbing with a brush or coarse washcloth, followed by a brisk rub with the towel and a film of hand lotion, is all that is needed. For variety, try rubbing the wet skin with a handful of salt.

• • •

FRESH AIR

Living in stuffy, closed-up rooms, is courting anaemia, headache and lack of energy. Health authorities point out that fresh air helps to ward off disease, and urge that rooms be filled frequently with fresh life-giving air, particularly where there are children in the house. Open windows and doors wide whenever possible, say the doctors.

• • •

Shoe polish can be quickly and easily removed from your hands with soap and cleanser. Just work a rich lather of soap onto your hands. Then add a liberal amount of the cleanser and rub over black spots. Even waterproof polish disappears almost instantly.

DO THIS FOR BRONCHITIS

COUGHS • SORENESS • CONGESTION

Now get real relief from bronchitis miseries this double-action way—with the home-proved medication that

GOES TO WORK INSTANTLY TO BRING RELIEF

Penetrates
deep into bronchial tubes with soothing medicinal vapors.



Stimulates
chest and back surfaces like a warming, comforting poultice.

AND WORKS FOR HOURS—RIGHT WHERE MISERY IS!

To get the benefits of this combined PENETRATING-STIMULATING action, just rub throat, chest, and back with Vicks VapoRub at bedtime. VapoRub goes to work instantly—2 ways at once as shown above—to ease bronchitis coughing, loosen congestion, relieve muscular soreness, and speed restful, comforting sleep. Often by morning most of the misery is

gone. Now don't take chances with untried remedies—get relief from bronchitis miseries tonight with double-action, time-tested Vicks VapoRub.

FOR ADDED RELIEF—Melt a spoonful of VapoRub in a bowl of boiling water. Inhale the steaming medicated vapors. Feel them soothe nagging bronchial irritation!



GILLETT'S Lye Keeps Outhouses "GUEST-CLEAN" ...No Mess—No Odor!

NO NEED to put up with unpleasant outhouse odor. Gillett's will keep your outside closet clean and clean-smelling. You just sprinkle in half a tin of Gillett's — full-strength — and contents and odor disappear completely.

Gillett's Lye makes indoor housecleaning less of a chore, too. It keeps drains clear, free-running, cuts through stubborn grease, cuts down on scrubbing and scouring. One tin even turns out

a monthly supply of household soap for less than a cent a bar!

And it's a mighty fine little helper around the barn and milkhouse—one tin makes 10 gallons of top-grade deodorizing solution.*

Get a couple of tins of Gillett's Lye today and use it regularly. It's quick....thorough—made especially to do a tip-top cleaning job, in or out-of-doors.

**Never dissolve lye in hot water. The churning cleansing action of the lye itself heats the water.*

Dozens of useful tips on how to lighten cleaning chores with Gillett's Lye: how to clear drains, keep farm buildings, dairy equipment clean and sanitary, how to make soap. Send to Standard Brands Ltd., Fraser Ave. and Liberty St., Toronto, Ont., for your copy. It's FREE!

FREE BOOKLET

★ ★ ★

Country Diary

★ ★ ★

FEBRUARY is a sort of Cinderella month, used as a makeshift, an expedient for the calendar makers, who had to expand and contract the year to suit the scheme of the universe. But they never succeeded in fitting it into the solar year without an arrangement of the extra day every four years. Julius Caesar was the author of the original calendar, and he had trouble in working out the year's length in mathematical precision. But the world got along with the emperor's calendar until about fifteen centuries later when Pope Gregory was called on to do something about it, so to appease those who insisted on simplification and reorganization, he gave them February. Certain present-day reformers do not allow that the calendar was simplified very much, as they wish to go further and create a thirteen-months year of four-week months, each to start on a Sunday. It looks and sounds easy, but could it snarl up the seasons?

February the name comes from the Roman Februm, meaning purification, for at this time of year the rivers and streams in parts of Italy, laden with winter's refuse, thawed out and some sort of fumigation was, and perhaps still is, necessary.

However, here we are not so far advanced in the problem of winter thawing, though February is known to be an unpredictable month, not steadily cold in its weather as January, nor notoriously windy like March. Sometimes it goes on a rampage, then gives us blue, fleecy skies and awakening hibernators. Shakespeare said of one of his characters, "You have such a February face, so full of frost, of storm, of cloudiness." He knew February, too.

The snow is now falling and drifting lightly. Since it must drift, I hope it drifts its blanket evenly, like an extra coverlet over fields and gardens in what may be winter's last fling. The school-children, having, I fear, swallowed a hurried lunch, come racing out at morning recess, tumbling, laughing, calling, hastening to build a grotesque snowman, with button eyes, old straw hat and broken pipe to smoke. There is a fort where a battle-royal is in progress; even Boreas pauses to watch its procedure. There is also a pup who has sneaked away to school with his pal, who dashes around the snow-man with little ecstatic yelps.

These winter days, when city folk wonder what we find to do, are gone like a flash. "Doesn't time drag terribly?" they ask. It definitely does not. There are the books we are always hoping to read and re-read, but somehow the evenings are too short for everything, and we never manage to get so far as Plato's Republic, though it receives many an apologetic glance. Perhaps next winter I can begin, early.

It is still winter, and Spring may be quite a little distance away, but there is "comfort and joy" (in the words of the good old carol) in the thought that sleeping quietly under the protective snow are the roots of the mauve crocuses and new grass, waiting to be awakened. I, too, am waiting, just as serenely, I hope, for the Spring.

• • •

If the leather belt needs another notch in it and you want it to be neat, heat a steel knitting needle red hot and burn in the necessary holes where needed. It will make quite a professional job.

FLAT HEELS FOR LOVELY LEGS

THE girls who wear flat-heeled shoes have hit upon something that will make their legs lovelier.

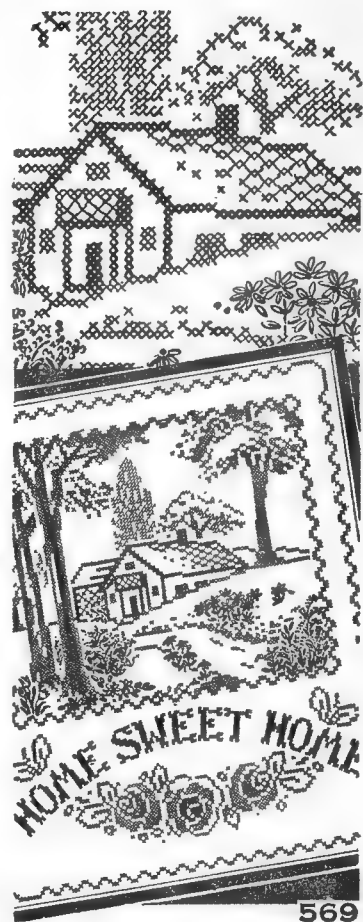
The low heels tend to pull the muscles out long and slim, and long, slim muscles are streamlined and pleasing to the eye. High heels flex and contract the muscles, and can result in bunched calf muscles, which are never pleasing.

Heels should be straightened regularly because runover heels tend to throw the weight toward the weakest position and incorrect weight-bearing subjects the foot to strain.

The arch may be high and weak or low and strong, or vice versa. It isn't the height of the arch, it's the lowering of the arch in weight-bearing that causes the trouble. Arches can be straightened by foot exercises. A good exercise is to walk a straight line, barefoot, one foot directly ahead of the other, toes curled under and the weight thrown to the outer borders.

• • •

HOMING!



"HOME SWEET HOME" is a sampler so simple even a child can embroider it—mainly cross stitch. A must for that touch of old-time charm!

Cross stitch "Home Sweet Home"; the family will love it. Needlework that's fun! Pattern 569 has a transfer of a sampler 12 x 14½ inches.

Send TWENTY CENTS in coins (stamps cannot be accepted) for this pattern to Farm and Ranch Review, Needlecraft Dept., Calgary, Alta. Print plainly PATTERN NUMBER, your NAME and ADDRESS.

Good Ironing Habits Key to Smooth Rayon Clothes

GOOD ironing habits are the key to smooth and natural-looking rayon clothes. For the best results, remember that rayon is different to iron and that all rayon fabrics are not ironed alike.

Some rayons should be ironed damper than others, and some require less heat. For example, the plain washable rayon crepes of which many dresses, blouses, slips, and nightgowns are made should be ironed when almost dry with a moderately hot iron. To take out excess moisture evenly and prevent dripping to the hem, these crepes should be wrapped in a towel after washing, then removed immediately and hung on a hanger until almost dry and ready for ironing.

Heavier spun rayons of the type usually used for slacks and tailored sports clothes should be ironed when slightly damp at a hot iron temperature. These fabrics include spun rayon gabardine, covert, hop-sacking, and butcher linen-textured spun rayons.

For good and fast results with the dress-weight spun rayons seen in dresses, tailored blouses, play clothes and children's things, use a hot iron on entirely dry fabric. Rayon shantungs, linen-textured spun rayons, and spun rayon novelty fabrics come under this category.

Rayon Jersey

Since rayon jersey usually contains some acetate rayon, care must be taken that the iron does not get too hot. Roll the garment in a towel, knead out moisture, then hang on a hanger. Keep the weight of the gar-

ment evenly distributed during drying to avoid pulling out of shape. Iron lightly when still slightly damp.

Several general ironing tips also apply to all rayon fabrics. Iron rayons when they have dried to the right degree of dampness instead of waiting until they are entirely dry and must be sprinkled. Iron on the wrong side to preserve surface texture.

Collars, pockets, cuffs, pleats, and trimming, however, should be touched up on the right side with a press cloth over the fabric. To make the garment look as it did before it was washed, iron naturally and with the grain. Don't pull or stretch the fabric or use extra pressure.

Iron shine in all fabrics can be prevented through avoidance of several common mistakes. Do not use a too hot iron or a skimpily padded board. Never iron collars, plackets, and other double thickness sections on the right side without a press cloth over them. Always rinse sufficiently. Soap left in the fabric after washing can cause grease spots and stain.

Oven-Fresh Rolls

THERE is something about hot fresh rolls that gives a special touch to any meal.

When every homemaker baked her own bread, baking day was marked by that pan of hot rolls that disappeared so quickly.

Dough for rolls may be made ahead of time and chilled or frozen until being baked. This is a good way to have fresh rolls without going to the trouble of mixing dough each time fresh rolls are required. For good results it is very important that the mixture be kept in a cold place, covered, to prevent the yeast from working.

Some like soft rolls, others prefer them crusty. Some occasions demand dainty crescents or finger rolls while for the substantial meal nothing equals parker house or plain crusty rolls of generous size.

The home economists of the Consumer Section of the Dominion Department of Agriculture have an excellent recipe for rolls with suggestions for using the dough in various ways.

SOFT OR CRUSTY ROLLS: Cut off small uniform pieces, fold sides under until top is smooth and dough is round. For high, soft rolls, place close together on baking sheet; for crusty place an inch apart; for very crusty rolls place in greased muffin tins.

CLOVERLEAF ROLLS: Shape very small pieces of dough into balls, brush with melted fat and place 3 balls in each muffin tin.

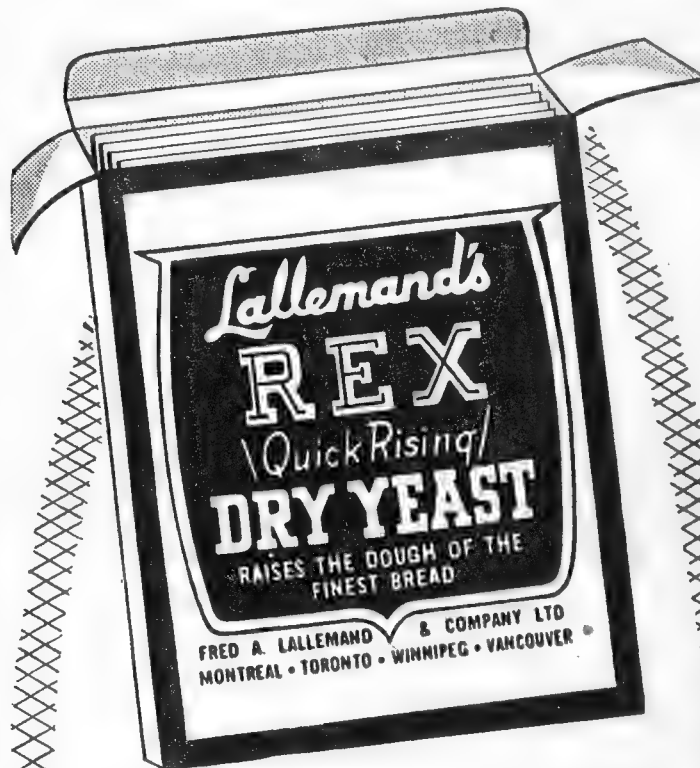
FINGER ROLLS: Cut dough into uniform small pieces, shape into balls. With the palm of the hand roll until of desired length, taking care to make them smooth.

CRESCENTS: Roll dough one-quarter inch thick and, using a sharp knife, cut in 3-inch squares. Brush with melted fat; starting at one corner, roll to opposite corner, pressing the points firmly down while rolling. Bring the two ends almost together to form the crescent.

KNOTS: Roll dough $\frac{1}{2}$ inch thick, cut in narrow strips and roll with palm of hand into 8-inch strips. Tie in a loose knot.

TWISTS: Prepare strips as for knots. Twist from ends in opposite directions, then bring ends together and pinch, to hold firmly.

REX does the trick on Baking Day!



Rex yeast saves time! No more setting bread and rolls the night before . . . with Rex they're ready in a few hours. Rex yeast saves money! Because Rex is the dry yeast that keeps fresh for weeks. Women all across Canada count on Rex Yeast to help them turn out crusty, delicious, wonderful-looking bread in half the time.

Write to Lallemand's 124 King St. Winnipeg for free sample of Rex yeast and recipe folder.

LALLEMAND'S REX
Quick-Rising Dry Yeast—at your grocer's

Look Pretty, Please!



YOU'LL look your loveliest in this pretty dinner dress. Crochet the bodies of a 3-ply wool; make the skirt of fabric. It's easy!

Pattern 517 has directions for crocheted bodice; pattern for skirt sizes 11, 13, 15 and 17. State size.

Send TWENTY CENTS in coins (stamps cannot be accepted) for this pattern to Farm and Ranch Review, Needlecraft Dept., Calgary, Alta. Print plainly PATTERN NUMBER, your NAME and ADDRESS.

Do You, Too, Suffer MONTHLY FEMALE PAIN

Then try this effective medicine!

Lydia E. Pinkham's Vegetable Compound DOES MORE than relieve monthly pain when due to functional periodic disturbances. It also relieves accompanying weak, tired, nervous, jittery feelings—of such nature. Pinkham's Compound is one of the best known and most effective medicines of its kind!

SAFETY GLASS for Automobiles
Any Make of Car
THE BENNETT GLASS CO. LTD.
M 1778 228 - 7th Ave. East, Calgary

FILLS URGENT NEED FOR HIGHER TYPE

Intimate Feminine Hygiene

So powerfully effective yet absolutely harmless



Greaseless Suppository Gives Continuous Medication for Hours
Easier—Daintier—More Convenient

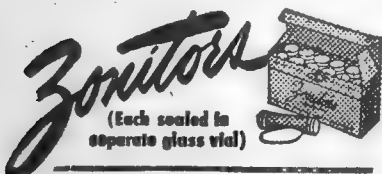
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CAMPING ON SUNSET PASS

(Continued from page 29)

and looked on the magnificence of that sunset, you would realize why this beauty spot is called Sunset Pass.

It is surprising how long you can enjoy sitting around a camp fire, listening to this story and that, usually about horses or mountain trips. After thirty years' experience as a Guide, Herb had a wonderful fund of stories. One story which he told that night was about a grizzly bear. I remember it particularly, because we had seen tracks of a grizzly on the Pass, and from the size of the tracks we had some idea of the enormous size of the grizzly. As he told his story, we kept looking behind, half-expecting to see one creep out of the darkness.

To get back to the story, he said that at one time a fire ranger told him of good fishing that could be had at one end of a lake, several miles from the camp, and he hid him forth. Towards evening, he was returning to camp with a bag of fine trout, he rounded a pathway which led along the side of a steep cliff, he rounded a bend and came almost face to face with a big grizzly. He didn't have time to think, the time was ripe for action, and he dropped the fish and dived straight down into the lake many feet below. He didn't look back until he reached the further side of

the Lake. He expected to see the bear close behind him; but he found that the grizzly was so busy investigating the fish, that he forgot all about the fisherman.

It was stories such as this that made the evening around the camp fire almost the best part of the outing. When all subjects are well talked over, and you can't stay awake to hear another story, you crawl into your sleeping-bag for the night. I might mention that we pitched tents at this camp in case of snow, for it is likely to snow any day of the year at Sunset Pass.

Everything is quiet and peaceful, the only sound is the crackling of the camp fire and the munching of the horses in the lush meadow. You must get to sleep, for tomorrow is another day, and you must hit the trail early. Before you fall asleep, the beauties of Sunset Pass are mirrored before your mind's eye. It's been a long, hard day, but the end justified the hazards and hardships of the trip. Dangerous rivers to ford, treacherous mountains to climb in almost tropical heat; but the next morning as we continued our trip through the mountains, we felt that we had really had a glimpse of Paradise.

IS YOUR CHILD CONSIDERATE?

By ALICE BREHM WILLIAMSON

"The Child's First School is the Family"—FROEBEL.

RECENTLY I read an interesting article about Emily Post, and in it she was quoted as stating, in effect, that good manners consist of a thoughtful consideration for the welfare of others and that such consideration becomes natural only as children form the habit at an early age.

It is said that during his first six years a child learns more than he does in all the rest of his life put together. This, surely, is no exaggeration, for during those first years he learns to control all the basic functions and to fit himself into a society in which some things are right and some are wrong. It is in this latter phase of experience that parents and teachers often fail to give the proper guidance.

Susan is five; she is always welcome in any home. At an early age she was taught to have respect for the feelings and property of others. She was told that to share her toys was being a "good sport," but that if some other child did not wish her to touch his toys, his wishes should be respected, and it was "hands off" for her. She was given positive directions, not negative, for her mother knew that "don't" can be a tiresome word and many unfavorable suggestions are contributed by "don't" instructions. "Please" and "thank you"—simple but impressive words—very early found a place in her vocabulary. Of course, she had to be reminded often, but after five years they now come naturally.

Susan has been taught the golden rule of doing unto others as she would have others do unto her. Yet she is not a timid or thwarted child; she knows how to take care of herself. On her first day at a new nursery

school, she met with some opposition on the part of a four-year-old boy. Finally, he hit Susan. She went to the teacher and said, "Miss Keene, Jackie hit me. I know it's wrong to hit, but sometimes people have to be shown how it feels. May I hit him—not hard—but just to show him?"

I think respect for older persons is an attractive and rare characteristic in this day in which freedom in work and play is emphasized in our educational set-up. This idea of freedom is misunderstood by many parents. They should know and teach their children that freedom, liberty, gives to each of us a chance to express his thoughts, to make choices, and to carry out his own plans, but that these privileges must be shared equally, or they will disappear.

Juvenile delinquency develops only when children have not been properly taught. It is due to the fact that parents and others have neglected to fulfill their obligations to the children, to the communities, and to themselves. The penitentiaries and asylums are full of people who easily might have been assets instead of liabilities to society. These people, who could have been helped to find pleasure in taking the right paths at the beginning of their lives, chose the wrong ones, made serious mistakes, and were punished; or, meeting opposition for which they were unprepared, slipped into lives of unreality.

A child is happiest when he learns to fit himself acceptably into a society. The Bible (Revised Version) says, "Train up a child in the way he should go: and even when he is old, he will not depart from it."

Fold clothes carefully before putting them through the wringer. If put through in bunches, the clothes are apt to be torn and the strain on the wringer soon tells on the springs, frequently causing breakage.

Don't put away a frying pan that smells of onions, fish, etc., when all you have to do to eliminate that odor is to put some vinegar in the pan and bring to a boil. Then wash as usual and all odors will be gone.

TO CLEAN BURNT PANS

The way to clean burnt or extremely greasy cooking utensils, is to run about one inch of cool water into the utensils. Then add one teaspoon of washing soda, put covers on the pans and let them heat to the boiling point. It loosens the grease and burnt area.

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No matter what you've been using for coughs due to colds, you'll be the first to admit that this surprising relief, mixed in your own kitchen, is hard to beat, for real results.

Make a syrup by stirring 2 cups of granulated sugar and one cup of water a few moments, until dissolved. No cooking is needed—anyone can do it. (Or you can use corn syrup or liquid honey, instead of sugar syrup.)

Then put 2½ ounces of Pinex (obtained from any druggist) into a 16-oz. bottle, and fill up with your syrup. This makes 16 ounces of excellent cough relief—about four times as much for your money. Tastes fine, and never spoils.

You can feel this home mixture taking right hold of a cough. It loosens the phlegm, soothes the irritated membranes, and helps clear the air passages. Eases soreness and difficult breathing, and lets you sleep. Once tried, you'll swear by it.

Pinex is a special compound of proven ingredients, in concentrated form, a most reliable soothing agent for throat and bronchial irritations. If not satisfied, your money will be refunded.

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Do you suffer from Getting Up Nights, Backache, Nervousness, Leg Pains, Dizziness, Swollen Ankles, Rheumatic Pains, Bladder Weakness, Painful Passages, or feel old and run-down, due to Kidney and Bladder trouble? If so, here is good news: The very first dose of Cystex usually goes right to work helping the Kidneys flush out excess acids and wastes which may have caused your trouble. Trial Offer: To prove what Cystex may do to bring you joyous help from the pains and distress of Kidney and Bladder troubles, get Cystex from your druggist and give it a fair trial with the positive understanding that if you are not satisfied for any reason, you get your money back on return of empty package. So don't suffer another day without trying Cystex.

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SELECTED RECIPES

BEEF STOCK

- 2 lbs. meat trimmings with bones
- 3 small carrots
- 3 small onions
- 3 stalks celery
- 2 quarts water—cold
- $\frac{3}{4}$ teaspoon whole peppercorns
- $\frac{1}{2}$ bay leaf
- 1 spray of thyme or $\frac{1}{2}$ teaspoon dried thyme
- 1 sprig parsley
- Salt and pepper to taste

Put beef, carrots, onions, celery and water in kettle and bring slowly to a boil. Tie spices and herbs in cheese-cloth bag, add with parsley to soup mixture and simmer, covered, for 2 hours. Strain. Yield: 6 cups.

LAMB RAGOUT

- 2 lbs. lamb, breast or shoulder
- $\frac{1}{4}$ cup flour
- 1 teaspoon salt
- $\frac{1}{4}$ teaspoon pepper
- Dash of ground cloves
- 2 tablespoons fat
- $\frac{1}{2}$ cup onion, chopped
- 3 cups water
- 6 medium carrots, quartered
- 1 cup celery, chopped
- 1 tablespoon spicy meat sauce
- 1 teaspoon salt

Cut lamb into 1-inch pieces. Remove as much fat from lamb as possible. Dredge meat with flour, to which has been added the salt, pepper and dash of ground cloves. Brown the meat with the onions in hot fat. Add water and simmer in covered pan until tender. Skim off fat, add vegetables, sauce and salt. Cover and continue cooking until vegetables are tender. Serve with dumplings. Six servings.

POTATO SCRAMBLE

- 2 tablespoons fat
- 3 cups diced cooked potatoes
- $\frac{1}{4}$ teaspoon salt
- $\frac{1}{2}$ cup chopped onion
- 3 eggs
- $\frac{1}{4}$ cup milk
- $\frac{1}{2}$ teaspoon salt
- $\frac{1}{2}$ teaspoon of pepper

Melt fat in frying pan, add potatoes, $\frac{1}{4}$ teaspoon salt and onion. Cook slowly until browned. Beat eggs and milk, add $\frac{1}{2}$ teaspoon salt and pepper. Pour egg mixture over potatoes. Cook until eggs are set. Fold over as an omelet. Six servings.

STUFFED POTATO WITH GRAVY

- 6 large potatoes
- Salt and pepper to taste
- 3 tablespoons gravy
- $\frac{1}{2}$ cup chopped left-over meat

Bake the six potatoes. Cut a slice of skin from the top, remove potato carefully from shells and mash. Add gravy and seasonings. Whip and add meat. Refill shells. Sprinkle tops lightly with paprika, if desired, and reheat in oven. Grated cheese may also be used. Six servings.

LEMON CREAM PIE

- $\frac{1}{2}$ cup sugar
- $2\frac{1}{2}$ tablespoons cornstarch
- or 5 tablespoons all-purpose flour
- $\frac{1}{8}$ teaspoon salt
- $1\frac{1}{2}$ cups milk
- 2 egg yolks, well beaten
- $\frac{1}{4}$ cup lemon juice
- $\frac{1}{4}$ teaspoon grated lemon rind
- 1 baked 9-inch pie shell
- 2 egg whites
- 2 tablespoons sugar

Combine sugar, cornstarch or flour, salt, milk and beaten egg yolks and cook in top of double boiler until thick, stirring frequently. Add lemon juice and rind. Cool custard slightly. Fill baked pie shell. Top

with a meringue made from the 2 egg whites and 2 tablespoons sugar and brown in a moderate oven 325 deg. F. Yield: one 9-inch pie.

CRUNCHY PEANUT COOKIES

- $\frac{1}{2}$ cup shortening
- 1 cup brown sugar
- $\frac{1}{4}$ teaspoon salt
- 1 egg
- $\frac{1}{2}$ teaspoon vanilla
- 1 cup sifted all-purpose flour
- or 1 cup plus 2 tbsps. sifted pastry flour
- $\frac{1}{4}$ teaspoon baking soda
- $\frac{1}{2}$ teaspoon baking powder
- $\frac{1}{2}$ cup cornflakes
- 1 cup quick-cooking rolled oats
- $\frac{3}{4}$ cup peanuts (skins left on)

Cream shortening, sugar and salt. Add egg and vanilla, and beat until creamy. Sift together the flour, soda and baking powder. Add cornflakes and rolled oats. Add dry ingredients to first mixture. Lastly add the peanuts. Drop by spoonfuls on a greased cookie sheet. Bake at 350 deg. F. for 15 minutes. Yield: 3 dozen cookies.

MOLASSES CRISPS

- $\frac{1}{2}$ cup molasses
- $\frac{1}{4}$ cup fat
- $1\frac{1}{4}$ cup sifted flour
- $\frac{3}{4}$ teaspoon baking soda
- $\frac{1}{2}$ teaspoon ginger
- 1 teaspoon grated orange rind
- $\frac{1}{4}$ teaspoon salt

Method: Bring molasses and fat to a boil, cool, add remaining dry ingredients, mix well, chill, cut after rolling to $\frac{1}{8}$ inch thickness with cookie cutter. Bake in moderate oven 20 minutes.

SUGARLESS GINGERBREAD

- $\frac{1}{4}$ cup shortening
- $2\frac{1}{4}$ cups sifted flour
- $1\frac{1}{2}$ teaspoons Baking Soda
- $\frac{1}{2}$ teaspoon cinnamon
- 1 teaspoon ginger
- $\frac{1}{2}$ teaspoon salt
- 1 cup molasses
- 1 egg
- $\frac{1}{2}$ cup hot water

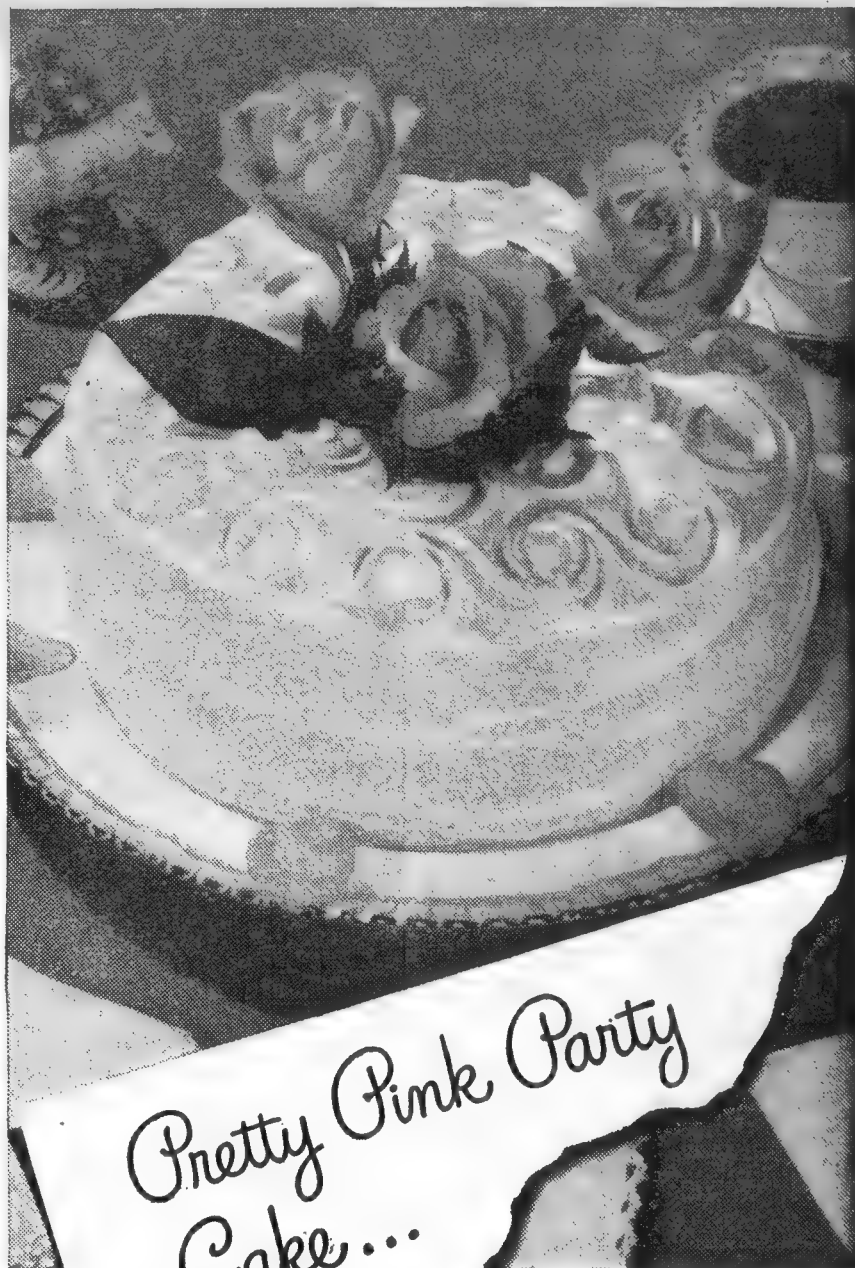
Melt shortening in deep saucepan over very low fire. Remove from fire; let cool. Mix and sift dry ingredients. Add molasses and unbeaten egg to cooled shortening and mix until well blended. Add dry ingredients alternately with hot water, mixing well after each addition. Bake in well-greased 8 x 8 x 2 pan in moderate oven (350 deg. F.) 40 to 45 minutes or until done. This recipe makes 16 portions. Serve hot or cold; delicious with fresh applesauce.

HOT MILK ANGEL CAKE

- 1 $\frac{1}{3}$ cups cake flour
- 1 cup sugar
- $\frac{1}{4}$ teaspoon salt
- 4 egg whites
- 2 teaspoons baking powder
- $\frac{2}{3}$ cup hot scalded milk
- 1 teaspoon vanilla

Sift flour, sugar, salt and baking powder into a large mixing bowl. Stir hot milk into dry ingredients, add vanilla and fold in stiffly beaten egg whites. Pour mixture into an ungreased angel cake pan, bake in moderate oven (350 deg. F.) 1 hour or until surface springs back and cake shrinks from center tube. Invert pan on wire rack so cake can cool thoroughly before being removed from pan. Ice with 7-minute icing or any desired icing. Makes 1 medium cake.

To remove iodine stains from linens rub the stained area with a slice of lemon.



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PINK PARTY CAKE

- $\frac{1}{2}$ cup shortening
- 1 cup sugar
- 3 egg yolks
- 1 egg
- 1 $\frac{3}{4}$ cups sifted flour
- 2 teaspoons Magic Baking Powder
- $\frac{3}{4}$ teaspoon salt
- $\frac{1}{2}$ cup milk
- 1 teaspoon vanilla extract

Pink Frosting

Cream together shortening and sugar. Add egg yolks, beat well. Add egg; beat well. Sift dry ingredients together. Add alternately with milk to creamed mixture. Add vanilla extract. Bake in greased tube pan in 350° F. oven 50 minutes. Spread frosting on top and sides of cake.

PINK FROSTING: Boil together $1\frac{1}{2}$ cups sugar, $\frac{1}{2}$ cup water and $1\frac{1}{2}$ tps. vinegar to 258° F., (or until syrup spins long thread). Beat 3 egg whites stiff; gradually add syrup, beating constantly, until frosting holds shape. Add few grains salt, $\frac{1}{2}$ tsp. vanilla and $\frac{1}{4}$ tsp. almond extracts. Tint delicate pink with red vegetable coloring.



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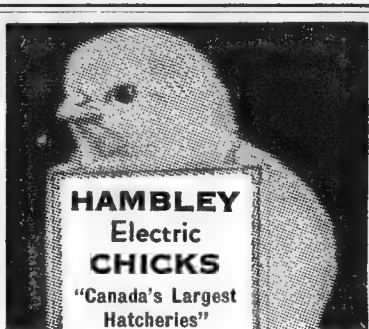
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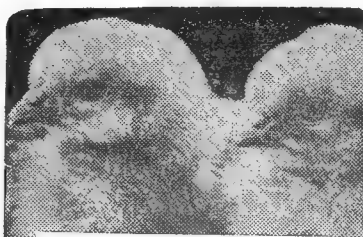
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BEAUTIFUL AND CLOSELY BRED, NOT REGISTERED COLLY PUPS, all ages. Some starting to work, from intelligent parents. Best of cattle dogs I constantly train. And at times have to offer trained, in both Cattle and Sheep Dogs. Stamped, clearly addressed envelope, or print your name. Snapshots if desired. P. J. Kokatt, Box 1, Tompkins, Sask.

SPECIAL SHEEP DOG FOR SALE
The male sheep dog is four years old, has herded for three summers, on a large band; trained to whistle and signals; very affectionate. Black and white markings, as breast and feet. If you require something Good in a sheep dog, write me for price and full particulars. I warrant him to give satisfaction. Full details of this dog are too expensive to advertise. Also four five-month-old special bred sheep pups of the very best. P. J. Kokatt, Box 1, Tompkins, Sask.

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MEN WANTED to Learn Barbering. No experience required. Light, clean, inside work. Offers steady employment, big pay. Many positions now open. Opportunities for advancement. Write Moler Barber College, 814 Centre St., Calgary, or 10246 - 101st St., Edmonton.

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CANADIAN PACIFIC RAILWAY — Unimproved farm lands and grazing lands in the provinces of Alberta and Saskatchewan at reasonable prices. For particulars write to the Land Branch, 957 Dept. Natural Resources, Calgary, and you will be provided with the name and address of the representative in the district in which you are interested.

SNAP \$22 per acre. 802 acres, 385 cultivated, two large hip-roofed barns, garage, chicken house, deep well with windmill, well-built house, on gravel road, bus service. Seven miles south of Stettler. J. T. Gough, Agent, Fenn, Alta.

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1,760 ac., with 750 ac. cult., 500 ac. finest prairie hay, balance pasture with ever-flowing springs; fair-to-good bldgs., granaries for 15,000 bushels. \$25 per ac. cash. This is a splendid foothills ranch, 28 miles from Calgary and 2 miles from gravel.

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640 ac., central Alta., 450 ac. cult., 1 m. from main highway. All kinds of farm and ranch bldgs., corrals, water, etc., \$20 per ac. with \$8,000 cash payment.

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200 ac., 20 m. from Calgary. A good, small farm and home. \$40 per ac.

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HARDY VARIETIES
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THE CATTLE OF THE FUTURE must be Economical to FEED — Produce High-grade Milk — and Breed Good Beef Making Calves — "The Breed is the Dual-Purpose RED POLL" — For further particulars apply, Canadian Red Poll Association, Anaheim, Sask.

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RHEUMATIC PAINS — Why go on suffering the agonies of Rheumatic Pains, Lumbago, Sciatica, Sore Muscles, Stiff Joints, Stiff Joints, Pain in the Chest or Back when Elik's Rheumatic Ointment No. 12 will give effective and prompt means of relief. No. 12 is unique in its power to get right to the pain. Its heat penetrates swiftly to the painful area, hurries healing blood to relieve the congestion and spreads comforting warmth over the aching area. Full directions on label. Guaranteed to give results or money refunded. Prices \$1.00, \$1.75. Get it from your local druggist. If not obtainable, order from Elik's Medicine Co., Dept. 6, 222 - 20th St. W., Saskatoon, Sask.

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ARE YOU SUFFERING

With Arthritic or Rheumatic pains, Stomach Ailments, Kidneys, Nerves, Piles, Colitis, Eczema, Female Ailments, Weakness, Run-down, etc., we will gladly refer you to responsible men and women who have proven the merit of Lang's Mineral Remedy to their satisfaction. Write us for free information, we don't ask you to buy anything. Lang's Mineral Remedies, 946 Robson Street, Vancouver, B.C.

ELIMINATE THE POISONS from your body. By keeping the kidney and bowel action regular. Elik's Tea No. 4, a selection of herbal ingredients, arouses the action of the kidneys, the liver, and the bowels and promptly eliminates the poisons from the system. Pains, aches, and fatigue disappear and serious disease is prevented. Price \$1.00 and \$2.00. Get it from your local druggist. If not obtainable, order from Elik's Medicine Co., Dept. 6, 222 - 20th St. W., Saskatoon, Sask.

WHY SUFFER RHEUMATIC, ARTHRITIC or MUSCULAR ACHES AND PAINS? Use MIZARH SALVE for backache, sore, aching shoulders, sore arms, elbows or chest, sciatica, sore, stiff, swollen or painful KNEES, ankles or joints. Varicose veins and feeling like ants crawling underneath the skin.



Price \$4.50 per jar, which will last a long time. One application weekly.

WHY SUFFER WITH COUGH or COLD. Check it with a European DIANA DROPS, a European formula remedy, well known across Canada. A few drops of DIANA taken on sugar or little hot water will relieve that stubborn cough, cold, nasal catarrh, sore throat, for asthma and bronchitis. Or a few drops placed on absorbent cotton and inserted into the ear for earache. For toothache, rub gums or place few drops on cotton and place on aching tooth will greatly help, also good for throat gargle. You will find a bottle on hand in most Canadian homes as a useful remedy. Sold by all druggists in Canada. Price \$1.00 per bottle.

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DON'T SUFFER FROM RHEUMATIC, ARTHRITIC, SCIATIC or MUSCULAR ACHES AND PAINS Use our best made liniment LUSCOE'S RHEUMATIC PAIN RUB. For backache, sore, aching shoulders or shoulder blades, arms, elbows, wrists or finger joints, sore, chest, lumbago, sciatica — pain in the hip caused by draft or dampness, sore, stiff, swollen or painful KNEES, ANKLES or JOINTS, legs coldness, etc. The liniment that penetrates right into the skin with warming feeling, thus helps quickly to relieve rheumatic aches, soreness or pain. You will be more than satisfied from first bottle, try one today. Sold by your druggist. Price \$1.00 per bottle, or 3 bottles for \$2.50. Thousands of people say — this is the best liniment I have ever used, so it must be good.

These remedies are made by
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PURE WOOL SKI SUIT, 18 - 20, almost new, \$12.50. Phone L2447, or Box 35, Farm and Ranch Review, Calgary, Alta.

A SURE CURE

If you are troubled with coyotes and dogs menacing and killing your sheep and lambs.

You just invest, and send me \$10 and I will write out and send you a simple and inexpensive method to avoid that. Just every 10 days or so, pen them up tight, use a garden sprinkler with an ingredient mixed in soft water, at a cost of about 2c to treat 30 head; no detriment coloring to the wool, not even much scent to a human. This stuff if sprayed on poultry, a post or flower bed a dog won't go near it. Then just mark your sheep well, and let them go, free day or night. They won't get lost, and will safely come back to their bed ground, and no more herding, guarding or worrying required. Since using this several years, I have never lost even a lamb that I know of, and was the best investment I ever made when I spent \$10 for this information.

Then I can also tell you of an inexpensive method of running a line or circle, way out from where your sheep run and graze, and a coyote will not cross that trail or line, and you easily run that circle in an hour or two, with one to help.

My sheep stay out night and day in open fields all summer long, and I don't have to worry about this.

If interested, save this ad. as too expensive for further runs.

Stamped, addressed envelope or PRINT YOUR NAME.

P. J. KOKATT, Tompkins, Sask.

Box 1.

BOOKER COAL SELF FEED HEATERS supply you complete warmth at least cost. House size. This amazing heater burns cheapest soft western coals—cuts fuel bills in half. Built from all cast iron. Weight 240 lbs. Height overall 34 in. Width 18 in. Depth 17 in. Approximate heating capacity up to 5,500 cu. ft., \$66.25 f.o.b. Winnipeg. 2 to 3 weeks delivery. Larger commercial size of Booker Heaters suitable for schools, stores, garages, shops, filling stations also available. \$99.00. 1 week delivery. See your local dealer or order direct from International Heating and Supply Limited, 225-231 Jarvis Ave., Winnipeg. Include money order.

HIGH-GRADE NEW ADULT GALVANIZED BATHTUBS. Each bathtub is 5 ft. long on legs with drain outlet. \$10.75 each f.o.b. Winnipeg. No C.O.D.'s Immediate delivery. K. & J. Wholesale Supply, Dept. "R", 231 Jarvis Ave., Winnipeg.

SEWING MACHINE PARTS — Any part for Singer or any make. Largest stock in Canada. We mail C.O.D. Humen Sewing Machine Co., Edmonton, Alta.

TYPEWRITERS — Two Standard office size and portable with cases; excellent condition. Write 222 McIntyre Block, Winnipeg, Man.

8 POWER MILITARY BINOCULARS

30 mm. Prismatic Lenses, European. Extreme long range. Achromatic, clear to edge. Leather Combat-carrying Case. Outstanding opportunity, \$39.50. American Sport Binoculars \$37.50. 5-power Imported Telescopes, \$1.59. Cases free. 50-power stand Microscopes, \$9.90. Postpaid — refund guaranteed. Also Bausch & Lomb. Eddy Optical, Dept. 162, Ontario St. Toronto.

WHAT OFFERS FOR ONE BOSTROM'S Improved Farm Level No. 2 for farm irrigation with tripod and target complete as good as new. W. M. Greiner, Vantage, Sask.

(Continued on page 38)

Classified Advertising

(Continued from page 37)

NURSERY STOCK

SUNLIGHT AND CHIEF RASPBERRIES, \$2.00 per hundred; Hazel nuts, Saskatoon, Highbush Cranberries, ten for \$1.00; Progressive and Gem Everbearing Strawberries, \$2.00 per hundred; O.A.C. Dakota, Dunlop, Rocky Hill, \$1.50 per hundred. Postpaid. T. H. KELSEY, Gunn, Alta.

PERSONAL

GRATTON'S WRINKLE LOTION, a superior full strength astringent that scientifically smooths out fine lines and wrinkles, instantly closing and refining the pores, it gives a soft satin smooth finish to any complexion at once, no waiting, a wonderful powder base. Price, \$1 or four bottles for \$3, postpaid, satisfaction guaranteed. G. Grattan, Station L, Winnipeg, Man.

TWO-IN-ONE RUG MAKER and Hemstitcher. This invention can be used on all sewing machines. No more drudgery making hooked rugs by hand. Saves material and labor and the rugs last longer. Also makes comforters, pillow tops, slippers, piano scarfs, auto robes, fringe and trimmings for dresses and coats. Makes artistic designs, flowers, borders and so forth. Makes beautiful rugs from stockings, rags, etc. It can be used to hemstitch two separate pieces of material without basting them together first. It will criss cross its own work successfully. It will hemstitch a circle perfectly as well as inlaid hemstitching. Complete with full instructions, only 75 cents postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

RUPTURED? New patented invention, lifts and holds like the human hand. Write for information. Hand-Lock Products, 146 King St. East, Kitchener, Ont.

RHEUMATIC, ARTHRITIC OR NEURITIC PAINS

Quick, lasting relief with Breenatone. Reduces painful, swollen joints. Months' Treatment, One Dollar. Modern Supplies, 330H Lee Building, Vancouver, B.C.

SEWING MACHINE DARNER, hits all makes sewing machines. You can mend stockings, shirts, linens, clothing. Also for quilting, stitching, marking linens, overcasting seams, and many uses. Full instructions with each danner, 50 cents, postpaid. G. Grattan, Station L, Winnipeg, Man.

BEAUTIFUL HAIR can be yours, free from dandruff, baldness, falling hair and itching scalp. Use Grattan's Hair Restorer, fully guaranteed. Complete treatment, 75 cents, postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

RUPTURE TROUBLES ENDED

Positive relief and comfort. Advanced method. No elastic, no understrap, no steel. Write Smith Manufacturing Co., Dept. M, Preston, Ontario.

KWIK-KLIP SAVE BARBER COSTS—Men trim your own hair. Ladies, remove hair from arms and legs. Trim hair with a professional taper, no steps; fine for trimming children's hair. Use like ordinary comb. A safe money-saving invention. Kwik-Klip, complete with full directions, only 59 cents, postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

STOCKING RUN MENDER—New invention that mends runs in stockings in a few seconds. No thread or wool needed. Machine does the work leaving stockings like new, only 25 cents postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

LONELY? GET ACQUAINTED, MARRY Hundreds of members. Many with means. Widows with farms or city property. Country and city girls. Teachers, nurses, farmers' daughters, cooks and housekeepers. Sealed particulars free. Canadian Correspondence Club, Box 128, Calgary, Alta.

BOOK OF ONE THOUSAND DREAMS and their meaning—How soon you will marry, and who your future husband or wife will be, 120 pages in well bound covers. Most complete published, 45c post paid. G. Grattan, Station L, Winnipeg, Manitoba.

MEN! SEND 10c FOR WORLD'S FUNNIEST joke novelty and catalogue of novelties, books, specialties. Western Distributors, Box 24FR, Regina.

FREE FOR ARTHRITIC PAINS

Try "Rosse Tabs" for our risk, for pains of Arthritis, Neuritis, Rheumatism. Send no money — just send name and address, and we will rush you a full-size package. If after using 24 Tabs you are not amazed at the relief from pain, return the package to us — and it costs you nothing. Write today. Rosse Products Company, Dept. 20-C, 2708 Farwell Ave., Chicago 45, Ill. Shipped from Canadian office, duty free.

PHOTO FINISHING

FREE SNAPSHOTS! FREE ALBUM! Mail this ad and two negatives for free snapshots complete in album! When you see these free samples you'll want more! Artist, Dept. 159, Drawer 220, Regina, Sask.

ROLLS DEVELOPED AND PRINTED 25c— or 8 reprints for 25c—plus double-weight professional enlargement coupon free with each roll. Cut Rate quality would cost you more elsewhere. Films for all cameras now available. Cut Rate Photo Service, Dept. E, Box 236, Regina, Saskatchewan.

SENSATIONAL Introductory Offer! 6 beautiful enlargements of any 6 negatives of same size (up to 2 1/4 x 4 1/4). Produced with new Photo Electric "Magic Eye". Send negatives with this ad, and 25c in coin today! Photo Research Labs., Dept. F, Drawer 370, Regina, Sask.

RAW FURS

MINK — SQUIRREL — WEASEL, Jacks, Muskrat, Beaver, Foxes, Lynx, Otter, Badger, Skunk (scrapped), Fisher, Marten, Tame Rabbits, Coyote, Otter, Raccoon, Beaver Castor and Seneca Root; find out TODAY how much you have already lost by selling elsewhere; "Munro" means "more money". J. H. Munro (est'd 1913), 1363 Kingsway, Vancouver, (No royalty; no delay; no commission; no disappointment).

SAWMILLS

SAWMILL MACHINERY

PORTABLE SAWMILLS

"Little Giant" all-purpose Mill for lumber and ties. Heavy duty husk with variable belt feed. Quick-acting receder. Choice of two size carriages with capacities up to 20,000 feet per day.

2 Head Block, 16-foot carriage, f.o.b. Calgary \$760.00

3 Head Block, 20-foot carriage, f.o.b. Calgary \$820.00

PLANERS

4-sided, all steel, high speed, 6" x 16" ball-bearing throughout including countershaft. Complete with machine belts, cylinder knives, and 1 set slotted heads. A light, sturdy, portable planer with a capacity up to 20,000 feet. F.O.B. Calgary **\$1,780.00**

IMMEDIATE DELIVERY.

Write for complete specifications.

Machinery Depot Limited

1029 - 10th Avenue West
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FOR SALE—Newall barley, first generation registered No. 1 seed; germination 99. Control Certificate 76-2144. \$2.15 per bushel, sacked, sealed. Freight paid in Alberta on 8 bushel lots. P. J. G. Rock, Drumheller, Alta.

REGISTERED AND CERTIFIED SEED GRAINS AND GRASSES, rape seed and peas. Price list now ready. Ask for copy. Newfield Seeds, Nipawin, Sask.

SONG WRITERS

POEMS wanted for musical setting. Send poem for immediate consideration and FREE Rhyming Dictionary. Richard Brothers, 18 Woods Building, Chicago.

POEMS WANTED for musical setting. Send poem for immediate consideration. Five Star Music Masters, 545 Beacon Bldg., Boston.

TANNERS

TANNERS Furriers, Fur Dressers — Furs stored and repaired, robe and leather Tanning Taxidermy. The Briggs Tannery, Offices and Factory, Burnside, Calgary, Alberta. Phone E 5430.

TRACTOR PARTS

NEW AND USED TRACTOR PARTS for 137 different models. Describe your needs for immediate price quotations. Order from IRVING'S TRACTOR LUG COMPANY, Portal, North Dakota.

TRADE SCHOOLS

CHICAGO Vocational Schools (Canadian)

Theory and Practical Courses in:
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FREE information by writing:
207 Time Bldg., Winnipeg.
12520 - 102nd Ave., Edmonton.

TRAPPER SUPPLIES

COYOTE TRAPPERS: Do the coyotes just so close to your sets and no closer? These same coyotes will go right up to your sets without fear no matter how trapwise they are. Results guaranteed. Write Fred Tyree, 1029 Fourth St., Bremerton, Wash.

MUSKRAT, MINK AND BEAVER TRAP PERS triple your catches with a Submarine trap. Ten Muskrats to a catch. Simple to operate; weighs three pounds. No losses from biting or pulling their feet off. \$4.00 each. Write for catalogue. Submarine Trap Company, Fort Saskatchewan, Alberta.

Crested Wheatgrass Important Dry Land Crop

Crested wheatgrass has assumed a position of great importance in the drier areas of the West. Stands are easily established if recommended practices are followed. However, there is still a little doubt in the minds of some ranchers and farmers as to the value of crested wheatgrass for pasture. Results of grazing experiments carried on by the Lethbridge Experimental Station at Cessford, Alberta, and observations made on other crested wheatgrass fields have shown that this belief is false. With proper management crested wheatgrass makes excellent pasture — far superior in carrying capacity and productivity to most native pastures in the drier areas of the West.

For a good pasture crested wheatgrass should be sown in solid seedings at a rate of 10 pounds per acre. This results in a thick stand of grass with very few seed stems. On the Cessford Regrassing Station where a grazing project has been in operation for four years, it was noticed that cattle would graze the thicker stands much more readily than thin stands which produced more rank growth.

The Cessford grazing project has provided some interesting results. Cattle have been confined to crested wheatgrass pasture continuously since June, 1942. The average weight of cows, in June, 1942, was 890 pounds. Three years later this had increased to 1,250 pounds. Since the cows were classed as aged when first put on the pasture this gain in weight is very significant. The explanation seems to

lie in the superiority of crested wheatgrass as feed and should give real encouragement to any rancher or farmer who is desirous of utilizing crested wheatgrass pasture.

Five successive calf crops have been taken off the pasture and all compared favorably with those produced on native pasture. The average carrying capacity of the crested wheatgrass is about ten acres per head per year. Carrying capacities of leased native pastures in the immediate district range from 30 to 60 acres per head per year.

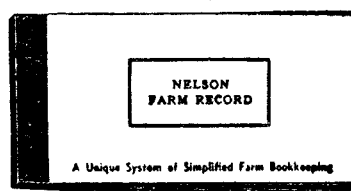
One point that has been very noticeable during the course of the experiment is that cattle seem to develop a taste for crested wheatgrass. This has been borne out by observations made at Stanmore, Alberta. When first put on the pasture at Cessford, the cattle grazed off the native grass along the fence lines and ate the crested wheatgrass only when forced onto it. After being on the crested wheatgrass for 18 months they showed a definite preference for it over native pasture, despite the fact that the crested wheatgrass was brown and dry.

In general, crested wheatgrass is suitable for year around pasture. For the best winter pasture it should be cropped off early in the season so that the aftermath will make good growth but will not go to seed. It is best when it is green, usually in the spring and fall. However, the grass is readily eaten in midsummer and winter even though it is brown and dry and apparently unpalatable. At Cessford, cattle weights were maintained on this type of feed, which indicated that it is quite nutritious.

WATCH REPAIRS

IF IT'S OUT OF ORDER send it to us. Two weeks' guaranteed service. Formerly with Henry Birks and Uren, Calgary. 22 years' experience. B. A. Lloyd, 624 - 21st Ave. N.W., Calgary. Phone H 3843.

Here it is!



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THE NELSON FARM RECORD is the best and simplest Farm Bookkeeping System ever published.

- Clear, compact, complete to the smallest transaction.
- Takes less than 5 minutes each day to keep.
- So simple anyone can understand it without study.
- Will give you a summary in detail of your year's business.
- Is indispensable in making out your income tax returns.
- Will put your farming on a business basis.
- Is an invaluable record for future reference.

Get it from your local merchant or send direct as per coupon below. If not satisfied that it is the best and simplest Farm Bookkeeping System ever published, return it to us, undamaged within five days and your money will be refunded.

NELSON FARM RECORD

714 - 7th AVE. WEST, CALGARY
Please send me one copy of the NELSON FARM RECORD, postpaid. I am enclosing Money Order for _____ (\$1.85 for one-year size) (\$3.75 for three-year size).

NAME _____

ADDRESS _____

Farm Trailer Made From Old Truck Parts

SUGGESTIONS in regard to selecting and assembling used truck parts and tires for the construction of a two-ton farm trailer tractor, together with a plan and specifications of the machine, are given in agricultural engineering circular No. 13 by J. M. Armstrong and E. C. Bain, of the Field Husbandry Division, Central Experimental Farm, Ottawa.

A two-ton tractor trailer built according to the plan and specifications given has been in service for several years. This trailer has been loaded frequently in excess of three tons with out any evidence of structural weakness in the framing or axle, and there has been no noticeable wear on the tires at tractor speeds.

Detailed information is contained in the suggestions which deal fully with the selecting and fitting the front axle from 1 1/2 or 2-ton used truck for a 2-ton capacity trailer; the frame used with an inverted front axle; the hitch frame made of 4" pipe welded together in the form of a Y; the hitch lock, brakes, and platform, together with all the necessary measurements of the axle assembly, main frame, hitch frame (pipe), alternate hitch frame (channel), hitch lock, and platform. A copy of the circular may be obtained by writing to Dominion Department of Agriculture, Ottawa.

CLASSIFIED ADS BRING RESULTS

MUST ENCOURAGE FARMERS TO PRODUCE MORE MILK

CANADIANS are short of butter and other dairy products largely because of huge quantities of cheese and evaporated milk requisitioned for export to the United Kingdom and not because farmers, or the industry, are unable to produce what is needed here, Robert C. Smellie, president of the National Dairy Council of Canada told the annual meeting of that body in his presidential address in Winnipeg on January 22nd.

"Declining milk production had reached the stage where it had become a most pressing national problem," he stated. The export trade in dairy products was important to Canada's economy but it was going to be most difficult to continue exports on any large scale in the face of a decreasing over-all milk supply and the ever-increasing demands of Canadians for dairy products. He questioned how long Canadians would continue to accept a six-ounce butter ration and restrictions on usage of other dairy products.

Mr. Smellie did not blame dairy farmers for this situation. "One does not have to be an expert in the economics of milk production in order to appreciate that a farmer, like any other business man, looks to the operations which produce the best cash returns for the least outlay in money and labor," he stated.

The decline in milk production was a matter of concern to every Canadian and it had reached the point, he said, where a choice must be made as to whether the industry was to be a purely domestic one or continue in the export field. If the latter, Canada must find ways and means of encouraging farmers to produce more milk. Another threat to the future welfare of the industry is that should the present trend continue, with rationing, the dairy products consumption habits of Canadians might change.

"I think it should be understood that the shortage of butter in this country during the past few years can in no way be attributed to a lack of initiative on the part of the industry or the farmer. The price and subsidy structure was a matter of deliberate government policy to divert milk into other channels. Given the cream, the industry can produce the butter Canadians want," stated Mr. Smellie.

While retail prices for dairy products were not out of line with existing economic conditions, nevertheless a downward trend in consumption was evident, apart entirely from rationing restrictions, J. Peter Nadeau, deputy director for dairy products with the federal Prices Board told the convention.

Mr. Smellie was re-elected president of the Council for his second term. Vice-presidents are G. M. Carlyle, Calgary, and Lea Marshall, Jarvis, Ont. Directors include Mr. Carlyle, E. A. Johnston, Red Deer, Alta., and A. E. Lewis, Calgary.

Poland's Communist-dominated government won overwhelmingly in the January 19 elections which the opposition Peasant party branded as completely dishonest. In Italy, Premier DeGasperi found difficulty in forming a new cabinet after resigning in protest at what he termed Communist sabotage of his previous coalition government.

Alberta Holsteins In "All-Canadian" List Of Awards for 1946

DALEFORD Fernie Little Joe, bred by J. W. Hosford, Edmonton, and exhibited by R. P. Gibb, Edmonton, was named reserve All-Canadian three-year-old bull in the recent All-Canadian Contest for Holstein cattle. He was Senior and Grand Champion at Edmonton Exhibition and second at the Royal Winter Fair.

Hays Ltd., Calgary, took the reserve two-year-old bull award on Beverley Marma Wayne, bred by R. E. Hosford, South Edmonton. He was second at Calgary and third at the Royal. Hays' famous aged bull, Westland Hayden Monarch, received Honorable Mention in the All-Canadian class. In the heifer calf class, Hays' Mountain View Coralie Rag Apple was named All-Canadian champion, while their senior yearling heifer, Maughlin Pabst Flossie, was designated reserve All-Canadian.

Alberta Leads New Hereford Enrolment

ALBERTA led all provinces in contribution of new members to the Canadian Hereford Association during the first 11 months of 1946. Of 561 new members enrolled, 209 were from Alberta while 177 were from Saskatchewan, 66 from Manitoba, 16 from British Columbia, 82 from Ontario and 11 from the Maritimes and Quebec. The total membership was 814 in 1941, and at the end of 1945 it was 1,756.

One of the resolutions to be introduced at the association's annual meeting at Toronto on February 4 was that authorizing registration of a purebred Hereford bred by artificial insemination. Compulsory membership in the association of all applicants for registration of Hereford cattle was another important item for discussion.

During the year under review, a Canadian-bred Hereford was exported to New Zealand for the first time in many years. Early in September, W. A. Crawford-Frost, Nanton, Alta., shipped the bull, Caerleon Standard 28th, to Frank Brice of Martin, New Zealand. Another history-making deal was the purchase of Del Zento 1st by George Rodanz of Stouffville, Ont., for \$51,000.

Western Racing Officials Elected

Lt.-Col. F. F. Montague, C.M.G., Winnipeg, was recently elected president of the Prairie Thoroughbred Breeders' and Racing Association. Lee S. Williams, Edmonton, was chosen as a vice-president along with H. J. Hickey, Winnipeg, and J. F. Lunney, Regina. Other officials are N. J. Christie, Calgary, honorary president; Lt.-Col. Frank Eaton, J. M. Douglas, I. V. Parslow, Alberta directors; J. F. Keyes, N. J. Breen, R. H. Moore, Manitoba directors; S. G. Harrison, Dr. F. G. Salisbury, Dr. E. T. Myers, Saskatchewan directors; E. D. Adams, representative steward; C. F. Roe, honorary treasurer; R. J. Speers, honorary secretary.

NEW POTATO BULLETIN

A new bulletin, "The Potato Crop in Alberta", affords a welcome addition to the farm library. Prepared by Dr. A. W. Henry, Department of Plant Science, University of Alberta, the bulletin deals with many phases of potato growing in this province. Among topics discussed are composition and food value, propagation, quality, varieties and cultural methods. Several pages are devoted to potato disease and insect control. This bulletin, No. 46, can be obtained on request from the Department of Extension, University of Alberta, or from the Extension Service, Alberta Department of Agriculture, Edmonton.

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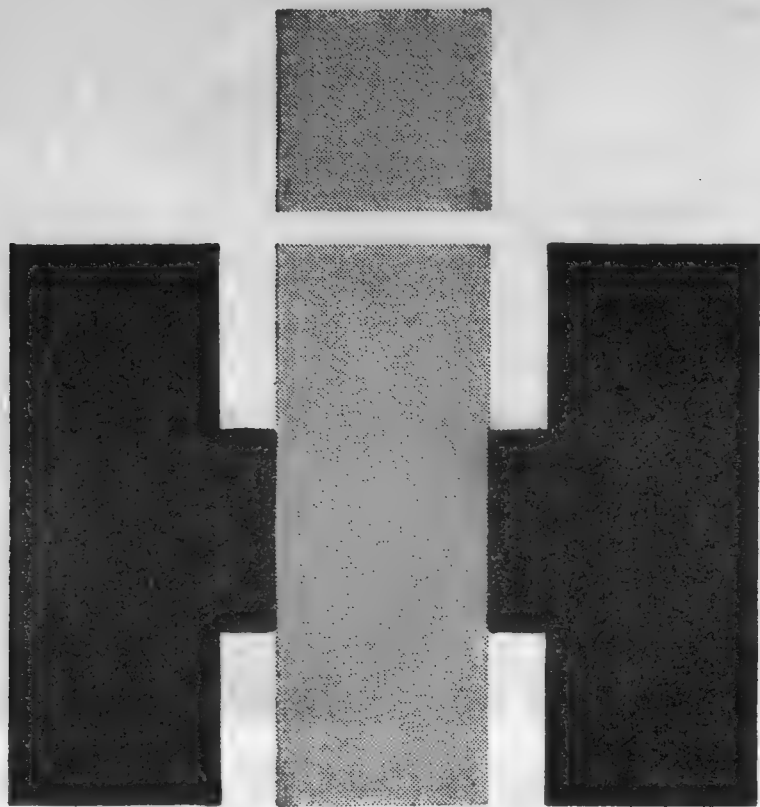
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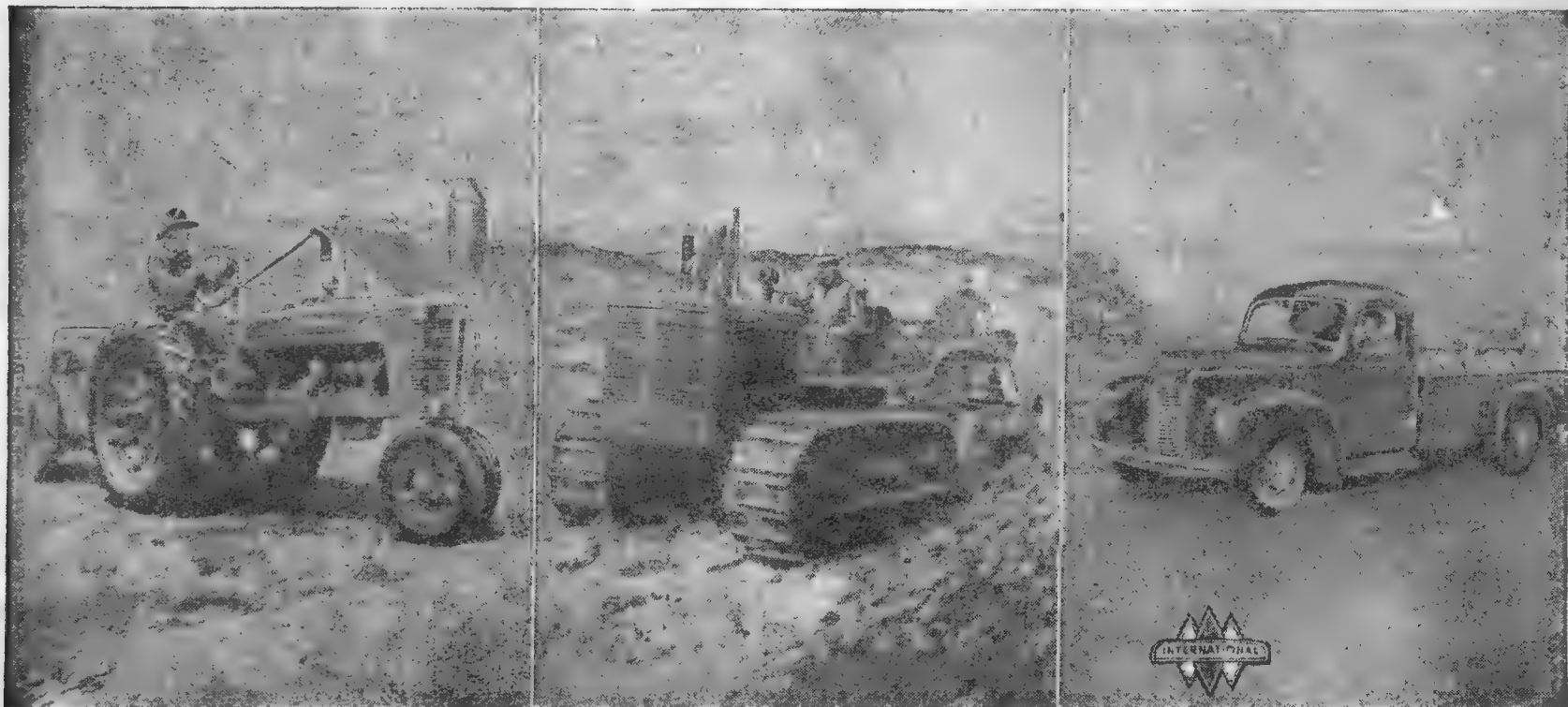
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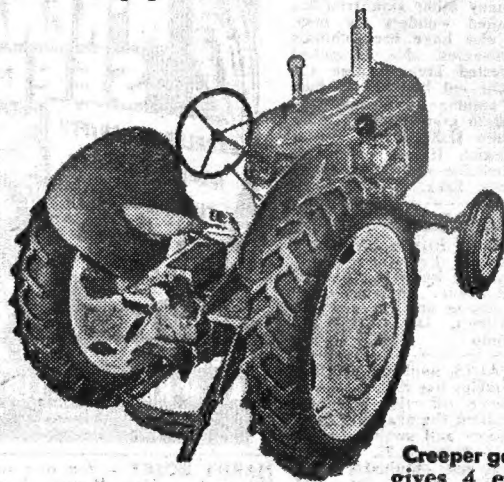


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**IRREGULAR
PAGINATION**

Federation V

THE Canadian Federation of Agriculture, meeting in convention at Winnipeg the end of January, urged the federal government "to immediately divert a certain volume of beef and a certain volume of sheep and cattle to the United States and to seek a trade agreement with that country at least as advantageous as that in effect before the war."

Plans to increase the domestic consumption of beef after the expiration of the British contract in 1948 should be extended to include all kinds of meat, the convention agreed. Fixing of prices for livestock and livestock products at figures bearing a proper relationship to the cost of production

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H. H. Hannam of Ottawa, in his presidential address, said that farmers should not strike unless all normal consultative methods failed. Taking issue with the Alberta Farmers' Union contention that co-operatives should be excluded from farm organizations Mr. Hannam said that co-operators were "the ones who have gone farther than merely membership in an organization."



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